

Electronic Calculators—Hand Held Models

COMPANY	APF	APF	APF	APF
MODEL	Mark 15	Mark 16	Mark 18	Mark 20
APPLICATION AREA	General calc.	General calc.	General calc.	Scientific Eng.
DISPLAY Type Color Characters Displayed Character Size & Position	LED Red 8 characters 1/8" high; Magnified & Tilted	LED Red 8 characters 1/8" high; Magnified & Tilted	LED Red 8 characters 1/8" high; Magnified & Tilted	LED Red 8 characters 1/8" high; Magnified & Tilted
KEYBOARD Size Of Keys Keyboard Layout	1/4"x1/3" CE/C; %; D	1/4"x1/3" CE/C; CM; M+; M-; MR; EX; D	1/4"x1/3" CE/C; CM; M+; M-; MR; %; EX; D	1/4"x1/3" C; CM; M+; MR; DR; X $\leftrightarrow$ M; XY; Deg/Rad; $\sqrt{x}$ ; 1/x; $e^x$ ; Ln x; Log x; Sin x; Cos x; Tan x; Sin <sup>-1</sup> x; Cos <sup>-1</sup> x; Tan <sup>-1</sup> ; F; +/-
SPECIAL FEATURES Logic Decimal System	Algebraic* Floating; 7 digits	Algebraic* Floating; 7 digits	Algebraic* Floating; 7 digits	Algebraic* Floating; 7 digits
Indicators	Overflow; Minus; Low battery	Overflow; Minus; Memory; Low battery	Overflow; Minus; Memory; Low battery	Overflow; Minus
Registers	Not available	1 memory register	1 memory register	1 memory register
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
POWER SUPPLY	AC & 9 volt bat.; 10 hrs. compute time; Battery life extender	AC & 9 volt bat.; 10 hrs. compute time; Battery life extender	AC & 9 volt bat.; 10 hrs. compute time; Battery life extender	AC & 9 volt bat.; 10 hrs. compute time; Battery life extender
PHYSICAL FEATURES Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharger	1"x3"x6" 1 lb. Optional Not available Optional	1"x3"x6" 1 lb. Optional Not available Optional	1"x3"x6" 1 lb. Optional Not available Optional	1"x3"x6" 1 1/4 lbs. Standard Not available Standard
GENERAL INFORMATION Date Introduced Pricing	September 1974 \$49.95	— \$69.95	— \$69.95	— \$129.95
Warranty	1 year parts & labor**	1 year parts & labor**	1 year parts & labor**	1 year parts & labor**
COMMENTS	*W. auto constant; **Thru 3 mfg. service centers	*W. auto constant; **Thru 3 mfg. service centers	*W. auto constant; **Thru 3 mfg. service centers	*W. auto constant; **Thru 3 mfg. service centers

Electronic Calculators—Hand Held Models

COMPANY	Adler	Adler	Adler	Adler
MODEL	80C	81	81S	88T
APPLICATION AREA	General calc.	General calc.	General calc.	Scientific-Engr.
DISPLAY Type Color Characters Displayed Character Size & Position	LED Red 8 characters 1/8" high; Not magnified & Flat	LED Red 8 characters 1/8" high; Not magnified & Flat	LED Red 8 characters 1/8" high; Not magnified & Flat	LED Red 8 characters 1/8" high; Not magnified & Flat
KEYBOARD Size Of Keys Keyboard Layout	3/4" x 3/4" C; K; %	3/4" x 3/4" C; CM; M out; A (switch)	3/4" x 3/4" C; M+; M out; K; √; (-); %	3/4" x 3/4" C; CM; M+; M out; X↔M; X <sup>Y</sup> ; X↔Y; (-); π; Deg/Rad; 1/x; √x; e <sup>x</sup> ; Ln x; Log x; F; Sin; Cos; Tan; Arcsin; Arccos; Arctan; DR
SPECIAL FEATURES Logic Decimal System	Algebraic Floating; 7 digits	Algebraic* Fixed & Floating; 7 digits; round off; truncate	Algebraic Floating; 7 digits	Algebraic* Floating; 7 digits
Indicators	Overflow; Minus	Overflow; Minus	Overflow; Minus	Overflow; Minus
Registers	Not available	1 auto. accum. register	1 memory register	1 memory register
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
POWER SUPPLY	AAA size & rech. (opt.) bat.; 27 hrs. (AAA) & 6 hrs. (rech.) compute time; 8 hrs. recharge time	AC, AA size & rech. (opt.) bat.; 17 hrs. (AA) & 6 hrs. (rech.) compute time; 8 hrs. recharge time	AAA size & rech. (opt.) bat.; 27 hrs. (AAA) & 6 hrs. (rech.) compute time; 8 hrs. recharge time	AAA size & rech. (opt.) bat.; 27 hrs. (AAA) & 6 hrs. (rech.) compute time; 8 hrs. recharge time
PHYSICAL FEATURES Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharger	3/4" x 3" x 4 1/2" 6 oz. Standard Not available Standard	3/4" x 3" x 4 1/2" 6 oz. Standard Not available Standard	3/4" x 3" x 4 1/2" 6 oz. Standard Not available Standard	3/4" x 3" x 4 1/2" 10 oz. Standard Not available Standard
GENERAL INFORMATION Date Introduced Pricing	— \$49.95	— \$89.95	— \$89.95	— \$129.95
Warranty	1 year parts & labor*	1 year parts & labor**	1 year parts & labor*	1 year parts & labor**
COMMENTS	*Thru 1,000 dealer service centers	*W. auto constant; **Thru 1,000 dealer service centers	*Thru 1,000 dealer service centers	*W. auto constant; **Thru 1,000 dealer service centers



Electronic Calculators—Hand Held Models

COMPANY	Berkey/Keystone	Berkey/Keystone	Berkey/Keystone	Berkey/Keystone
MODEL	350 & 370	390	395	2010
APPLICATION AREA	General calc.	General calc.	General calc.	General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	Gas discharge Red 8 characters 3/16" high; Not magnified & Tilted	Gas discharge Red 8 characters 3/16" high; Not magnified & Tilted	Gas discharge Red 8 characters 3/16" high; Not magnified & Tilted	Gas discharge Red 8 characters 3/16" high; Not magnified & Tilted
KEYBOARD Size Of Keys Keyboard Layout	3/8" diameter C; %	3/8" diameter C; MC; MR; Memory (switch); %	3/8" diameter C; M; EX; %; √x; +/-	3/8" diameter C; EX; %; +/-
SPECIAL FEATURES Logic Decimal System	Algebraic* Floating; Add mode; 7 digits; Round off	Algebraic* Floating; Add mode; 7 digits; Round off	Algebraic* Floating; 7 digits	Algebraic* Floating; 7 digits
Indicators	Overflow; Minus	Overflow; Minus	Overflow; Minus	Overflow; Minus
Registers	Not available	1 auto. accum. register	1 storage register	Not available
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
POWER SUPPLY	AC, AA size (350), & rech. (370) bat.; 25 hrs. (AA) & 8 hrs. (rech.) compute time; 8 hrs. recharge time	AC & rech. bat.; 8 hrs. compute time; 8 hrs. recharge time	AC & rech. bat.; 8 hrs. compute time; 8 hrs. recharge time	AC & AA size bat.; 25 hrs. compute time
PHYSICAL FEATURES Dimensions Weight Carrying Case Strap Or Handle AC Adapter/Recharger	1 1/4"x3"x5 1/4" 10 oz. Standard Not available Standard	1 1/4"x3"x5 1/4" 10 oz. Standard Not available Standard	1 1/4"x3"x5 1/4" 10 oz. Standard Not available Standard	1 1/4"x3"x5 1/4" 10 oz. Standard Not available Standard
GENERAL INFORMATION Date Introduced Pricing Warranty	— \$94.95—350 \$99.95—370 1 year parts & labor**	— \$119.95 1 year parts & labor**	— \$139.95 1 year parts & labor**	— \$94.95 1 year parts & labor**
COMMENTS	*W. auto constant; **Thru 3 mfg. service centers	*W. auto constant; **Thru 3 mfg. service centers	*W. auto constant; **Thru 3 mfg. service centers	*W. auto constant; **Thru 3 mfg. service centers

Electronic Calculators—Hand Held Models

COMPANY	Berkey/Keystone	Berkey/Keystone	Berkey/Keystone	Berkey/Keystone
MODEL	2030	2040	2050	4000
APPLICATION AREA	General calc.	General calc.	Scientific-Eng.	General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	Gas discharge Red 8 characters 3/16" high; Not magnified & Tilted	Gas discharge Red 8 characters 3/16" high; Not magnified & Tilted	Gas discharge Red 8 characters 3/16" high; Not magnified & Tilted	Gas discharge Red 8 characters 3/16" high; Not magnified & Tilted
KEYBOARD Size of Keys Keyboard Layout	3/8" diameter C; MC; MR; M+; M-; EX; %; +/-	3/8" diameter C; M; EX; %; $\sqrt{x}$ ; +/-	3/8" diameter C; M; Deg/Rad; Sin; Cos; Tan; Arc; Log; Ln; $E^Y$ ; $X^Y$ ; $\sqrt{x}$ ; EX; $\pi$ ; +/-	3/8" diameter C; MC; MR; M+; M-; EX; %; +/-
SPECIAL FEATURES Logic Decimal System	Algebraic* Floating; 7 digits	Algebraic* Floating; 7 digits	Algebraic* Floating; 7 digits	Algebraic* Floating; 7 digits
Indicators	Overflow; Minus	Overflow; Minus	Overflow; Minus	Overflow; Minus; Low battery
Registers	1 memory register	1 storage register	1 storage register	1 storage register
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
POWER SUPPLY	AC & AA size bat.; 25 hrs. compute time	AC & rech. bat.; 8 hrs. compute time; 8 hrs. recharge time	AC & rech. bat.; 8 hrs. compute time; 8 hrs. recharge time	AC & rech. bat.; 8 hrs. compute time; 8 hrs. recharge time
PHYSICAL FEATURES Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharger	1 1/4" x 3" x 5 1/4" 10 oz. Standard Not available Standard	1 1/4" x 3" x 6" 12 oz. Standard Not available Standard	1 1/4" x 3" x 6" 12 oz. Standard Not available Standard	1 1/4" x 3" x 6" 12 oz. Standard Not available Standard
GENERAL INFORMATION Date Introduced Pricing	— \$114.95	— \$129.95	— \$194.95	— \$119.95
Warranty	1 year parts & labor**	1 year parts & labor**	1 year parts & labor**	1 year parts & labor**
COMMENTS	*W. auto constant; **Thru 3 mfg. service centers	*W. auto constant; **Thru 3 mfg. service centers	*W. auto constant; **Thru 3 mfg. service centers	*W. auto constant; **Thru 3 mfg. service centers

Electronic Calculators—Hand Held Models

COMPANY	Berkey/Keystone	Berkey/Keystone	Bohn Rex-Rotary	Bohn Rex-Rotary
MODEL	4010	4030	Omnitrex	Omnitrex M
APPLICATION AREA	General calc.	General calc.	General calc.	General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	Gas discharge Red 8 characters 3/16" high; Not magnified & Tilted	Gas discharge Red 8 characters 3/16" high; Not magnified & Tilted	Fluorescent Green 8 characters ¼" high; Not magnified & Tilted	Fluorescent Green 8 characters ¼" high; Not magnified & Tilted
KEYBOARD Size Of Keys Keyboard Layout	3/8" diameter C; M; EX; X <sup>2</sup> ; √x; 1/x; %; +/-	3/8" diameter C; M; Deg/Rad; Sin; Cos; Tan; Arc; Log; Ln; e <sup>x</sup> ; x <sup>y</sup> ; √x; EX; π, +/-	¼" diameter C; %; +/-	¼" diameter C; MC; MR; Memory (switch); %
SPECIAL FEATURES Logic Decimal System	Algebraic* Floating; 7 digits	Algebraic* Floating; 7 digits	Algebraic* Floating; Add mode; 7 digits; Round off	Algebraic* Floating; Add mode; 7 digits; Round off
Indicators	Overflow; Minus; Low battery	Overflow; Minus; Low battery	Overflow; Minus	Overflow; Minus; Memory
Registers	1 storage register	1 storage register	Not available	1 auto. accum. register
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
POWER SUPPLY	AC & rech. bat.; 8 hrs. compute time; 8 hrs. recharge time	AC & rech. bat.; 8 hr. compute time; 8 hrs. recharge time	AC & AA size bat.; 15-20 hrs. compute time; Battery life extender	AC & AA size bat.; 15-20 hrs. compute time; Battery life extender
PHYSICAL FEATURES Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharger	1¼"x3"x6" 12 oz. Standard Not available Standard	1¼"x3"x6" 12 oz. Standard Not available Standard	1½"x4¼"x6½" 10 oz. Standard Not available Standard	1½"x4¼"x6½" 10 oz. Standard Not available Standard
GENERAL INFORMATION Date Introduced Pricing	— \$139.95	— \$199.95	June 1973 \$69.95	August 1973 \$84.95
Warranty	2 years parts & labor**	2 years parts & labor**	1 year parts & labor**	1 year parts & labor**
COMMENTS	*W. auto constant; **Thru 3 mfg. service centers	*W. auto constant; **Thru 3 mfg. service centers	*W. auto constant; **Thru 2 mfg. service centers	*W. auto constant; **Thru 2 mfg. service centers

Electronic Calculators—Hand Held Models

COMPANY	Bohn Rex-Rotary	Bowmar	Bowmar	Bowmar
MODEL	Omnitrex SR-1	MX25 "Brainchild"	MX 35 "Pocket Memory"	MX55
APPLICATION AREA	General calc.*	General calc.	General calc.	General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	Fluorescent Green 8 characters ¼" high; Not magnified & Tilted	LED Red 8 characters 1/8" high; Not magnified & Flat	LED Red 8 characters 1/8" high; Not magnified & Flat	LED Red 8 characters 1/6" high; Magnified & Tilted
KEYBOARD Size Of Keys Keyboard Layout	¼" diameter CE/C; M <sup>↑</sup> ; X/%; √ x/1/x	3/8"x3/8" CE/C; %	3/8"x3/8" CE/C; %; M (M+, M-, MC, MR)	½"x½" CE/C; %
SPECIAL FEATURES Logic Decimal System	Algebraic Fixed & Floating; 7 digits; Round off	Arithmetic* Floating; 7 digits	Algebraic* Floating; 7 digits	Algebraic* Floating; 7 digits
Indicators	Overflow; Minus; Memory; Low battery	Overflow; Minus; Low battery	Overflow; Minus; Memory; Low battery	Overflow; Minus; Low battery
Registers	1 storage register	Not available	1 memory register	Not available
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
POWER SUPPLY	AC & rech. bat.; 5 hrs. compute time; 12 hrs. recharge time; Battery life extender	AA size bat.; 10 hrs. compute time	AC & rech. bat.; 5 hrs. compute time; 7 hrs. recharge time	AC & rech. bat.; 5 hrs. compute time; 7 hrs. recharge time
PHYSICAL FEATURES Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharger	1½"x4¼"x6½" 10 oz. Standard Not available Standard	¾"x2¾"x6" 6 oz. Built-in Not available Not available	1"x2¾"x5½" 8 oz. Built-in Not available Standard	1"x3"x5½" 9 oz. Standard Not available Standard
GENERAL INFORMATION Date Introduced Pricing	November 1973 \$104.95	— \$49.95	— \$69.95	— \$59.95
Warranty	1 year parts & labor**	1 year parts & labor**	1 year parts & labor**	1 year parts & labor**
COMMENTS	**Slide rule replacement"; ** Thru 2 mfg. service centers	*W. auto constant; **Thru 1 mfg. service center	*W. auto constant; **Thru 1 mfg. service center	*W. auto constant; **Thru 1 mfg. service center

Electronic Calculators—Hand Held Models

COMPANY	Bowmar	Bowmar	Bowmar	Brother
MODEL	MX80	MX90 "Professional"	MX100 "Scientific"	825 The Project
APPLICATION AREA	General calc.	General calc.	Scientific-Eng.	General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	LED Red 10 characters* 1/6" high; Magnified & Tilted	LED Red 10 characters 1/4" high; Not magnified & Tilted	LED Red 8 characters 1/6" high; Magnified & Tilted	LED Red 8 characters 3/16" high; Not magnified & Tilted
KEYBOARD Size Of Keys Keyboard Layout	1/2"x1/2" C; CE; K; %	1/4"x1/4" CE/C; MC; MR; M+; M-; $\frac{1}{x}$ ; $\sqrt{x}$ ; 1/x; %; +/-	3/8"x3/8" CE/C; MC; MR; M+; X $\leftrightarrow$ M; X $\leftrightarrow$ Y; F; Y <sup>x</sup> ; e <sup>x</sup> ; 1/x; $\sqrt{x}$ ; CS/ $\pi$ ; Ln x; Log x; Sin; Cos; Tan; Sin <sup>-1</sup> ; Cos <sup>-1</sup> ; Tan <sup>-1</sup> ; Deg/Rad	3/16"x3/16" C; K
SPECIAL FEATURES Logic Decimal System	Arithmetic Floating; 18 digits	Algebraic* Floating; 9 digits	Algebraic* Floating; 7 digits	Algebraic Floating; 7 digits
Indicators	Overflow; Minus; Low battery	Overflow; Minus; Memory; Low battery	Overflow; Minus; Memory; Low battery	Overflow; Minus
Registers	Not available	1 memory register	1 memory register	Not available
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
POWER SUPPLY	AC & rech. bat.; 5 hrs. compute time; 7 hrs. recharge time	AC & rech. bat.; 5 hrs. compute time; 7 hrs. recharge time	AC & rech. bat.; 5 hrs. compute time; 7 hrs. recharge time	AC & AA size bat.; 5 hrs. compute time
PHYSICAL FEATURES Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharger	1 1/2"x3"x5" 8 oz. Standard Not available Standard	1 1/2"x3"x5" 8 oz. Standard Not available Standard	1 1/2"x3"x5" 8 oz. Standard Not available Standard	1 1/2"x2 1/2"x4 1/2" 12 oz. Standard Standard Optional
GENERAL INFORMATION Date Introduced Pricing	— \$84.95	— \$89.95	— \$179.95	May 1974 \$39.95
Warranty	1 year parts & labor**	1 year parts & labor**	1 year parts & labor**	1 year parts & labor*
COMMENTS	*20 characters thru multiple displays; **Thru 1 mfg. service center	*W. auto constant; **Thru 1 mfg. service center	*W. auto constant; **Thru 1 mfg. service center	* Exchangeable thru dealer or retail outlet

Electronic Calculators—Hand Held Models

COMPANY	Brother	Brother	Brother	Canon
MODEL	827A & 827R	408AY The Pro-Cal	508 AY The Executron	Palmtronic LE-80R
APPLICATION AREA	General calc.	General calc.	General calc.	General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	LED Red 8 characters 1/8" high; Not magnified & Flat	Fluorescent — 8 characters 3/8" high; Not magnified & Tilted	Fluorescent — 8 characters 3/8" high; Not magnified & Tilted	LED Red 8 characters 3/16" high; Magnified & Flat
KEYBOARD Size Of Keys Keyboard Layout	3/16"x3/16" C; CM; RM; M+; M-; $\Sigma$ ; %	3/8" diameter C; CI; K; %	3/8" diameter C; RM; ME; K; $\sqrt{\quad}$ ; %; +/-	3/8"x3/8" C; CI; K; $\sqrt{\quad}$
SPECIAL FEATURES Logic Decimal System	Algebraic* Floating; 7 digits	Algebraic Floating; 7 digits	Algebraic Floating; 7 digits	Arithmetic Floating; 7 digits
Indicators	Overflow; Minus; Memory	Overflow; Minus	Overflow; Minus; Memory	Overflow; Minus; Battery life
Registers	1 memory register	Not available	1 memory register	Not available
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
POWER SUPPLY	AC, AA size (827A), & rech. (827R) bat.; 5 hrs. compute time; 7 hrs. recharge time	AC & AA size bat.; 5 hrs. compute time	AC & AA size bat.; 5 hrs. compute time	AC, AA size, & rech. bat.; 16 hrs. (AA) & 5 hrs. (rech.) compute time; 10-12 hours recharge time
PHYSICAL FEATURES Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharger	1"x3"x5" — Standard Not available Standard	1-2/3"x4"x6" 12 oz. Standard Not available Standard	1-2/3"x4"x6" 12 oz. Standard Not available Standard	1 1/2"x3 1/4"x5 1/2" 15 oz. Standard Standard Optional
GENERAL INFORMATION Date Introduced Pricing Warranty	May 1974 \$69.95—827A \$79.95—827R 1 year parts & labor**	June 1973 \$59.95 1 year parts & labor*	January 1974 \$79.95 1 year parts & labor*	October 1973 \$89.95 1 year parts & labor*
COMMENTS	*W. auto constant; **Exchangeable thru dealer or retail outlet	*Thru dealer or 4 mfg. service centers	*Thru dealer or 4 mfg. service centers	*Thru 100 dealer & mfg. service centers

Electronic Calculators—Hand Held Models

COMPANY	Canon	Canon	Canon	Canon
<b>MODEL</b>	Palmtronic LE-81	Palmtronic LE-82	Palmtronic LE-83	Palmtronic LE-100
<b>APPLICATION AREA</b>	General calc.	General calc.	General calc.	General calc.
<b>DISPLAY</b>				
Type	LED	LED	LED	LED
Color	Red	Red	Red	Red
Characters Displayed	8 characters	8 characters	8 characters	10 characters
Character Size & Position	3/16" high; Magnified & Tilted	3/16" high; Magnified & Tilted	3/16" high; Magnified & Flat	3/16" high; Magnified & Flat
<b>KEYBOARD</b>				
Size Of Keys	3/8"x3/8"	3/8"x3/8"	3/8"x3/8"	3/8"x3/8"
Keyboard Layout	C; CI	C; CI; %±; K	C; K	C; CI
<b>SPECIAL FEATURES</b>				
Logic	Algebraic*	Arithmetic	Algebraic	Algebraic*
Decimal System	Floating; 7 digits	Floating; 7 digits	Floating; 7 digits	Floating; 9 digits
<b>Indicators</b>	Overflow; Minus	Overflow; Minus; Battery life	Overflow; Minus	Overflow; Minus
<b>Registers</b>	Not available	Not available	Not available	Not available
<b>Item Counter</b>	Not available	Not available	Not available	Not available
<b>Scientific Notation</b>	Not available	Not available	Not available	Not available
<b>POWER SUPPLY</b>	AA size bat.; 90 hrs. compute time	AC, AA size & rech. bat.; 16 hrs. (AA) & 5 hrs. (rech.) compute time; 10-12 hrs. recharge time	AC & AA size bat.; 30 hrs. compute time	AC, AA size, & rech. bat.; 14 hrs. (AA) & 6 hrs. (rech.) compute time; 10-12 hrs. recharge time
<b>PHYSICAL FEATURES</b>				
Dimensions (HxWxD)	1½"x3¼"x6"	1½"x3¼"x5½"	1"x3"x6"	1½"x3"x5½"
Weight	12 oz.	15 oz.	7 oz.	9 oz.
Carrying Case	Standard	—	Standard	Standard
Strap Or Handle	Standard	Standard	Not available	Not available
AC Adapter/Recharger	Not available	Optional	Optional	Optional
<b>GENERAL INFORMATION</b>				
Date Introduced	October 1973	October 1973	April 1974	May 1974
Pricing	\$49.95	\$69.95	\$44.95	\$89.95
<b>Warranty</b>	1 year parts & labor**	1 year parts & labor*	1 year parts & labor*	1 year parts & labor**
<b>COMMENTS</b>	*Utilizes CMOS circuitry; w. auto constant; **Thru 100 dealer & mfg. service centers	*Thru 100 dealer & mfg. service centers	*Thru 100 dealer & mfg. service centers	*W. auto constant; **Thru 100 dealer & mfg. service centers

Electronic Calculators—Hand Held Models

COMPANY	Canon	Casio	Casio	Casio
MODEL	Palmtronic F-5	Mini	Mini-Memory	Mini-Root
APPLICATION AREA	Scientific-Eng.	General calc.	General calc.	General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	LED Red 8 characters 3/16" high; Not magnified & Flat	Fluorescent Green 6 characters* 1/4" high; Not magnified & Flat	Fluorescent Green 8 characters* 1/4" high; Not magnified & Flat	Fluorescent Green 8 characters* 1/4" high; Not magnified & Flat
KEYBOARD Size Of Keys Keyboard Layout	3/8"x3/8" C; CM; RM; MT; X↔M; RV; SC; Sin; Cos; Tan; Sin <sup>-1</sup> ; Cos <sup>-1</sup> ; Tan <sup>-1</sup> ; a <sup>x</sup> ; e <sup>x</sup> ; Ln; Log; π; √; 1/x; Deg-Rad	3/8"x1/4" C; AC; Shift for second display	3/8"x1/4" C; AC; Shift for second display; %; MR; ME	3/8"x1/4" C; AC; Shift for second display; √; %
SPECIAL FEATURES Logic Decimal System	Algebraic* Floating; 7 digits	Algebraic** Floating; 6 digits	Algebraic** Floating; 16 digits	Algebraic** Floating; 16 digits
Indicators	Overflow; Minus	Overflow; Minus	Overflow; Minus; Memory	Overflow; Minus
Registers	1 memory register	Not available	1 auto. accum. register	Not available
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
POWER SUPPLY	AC; AA size & rech. bat.; 18 hrs. (AA) & 7 hrs. (rech.) compute time; 10-12 hrs. recharge time	AC & AA size bat.; 50 hrs. compute time	AC & AA size bat.; 50 hrs. compute time	AC & AA size bat.; 50 hrs. compute time
PHYSICAL FEATURES Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharger	1 1/2"x3"x5 1/2" 9 oz. — — Optional	1 1/4"x6"x3" 9 oz. Standard Standard Optional	1 1/4"x6"x3" 9 oz. Standard Standard Optional	1 1/4"x6"x3" 9 oz. Standard Standard Optional
GENERAL INFORMATION Date Introduced Pricing	— \$169.95	April 1974 \$39.95	June 1974 \$49.95	June 1974 \$54.95
Warranty	1 year parts & labor**	1 year parts & labor***	1 year parts & labor***	1 year parts & labor***
COMMENTS	*W. auto constant; **Thru 100 dealer & mfg. service centers	*12 char. thru multiple displays; **W. auto constant; ***Thru 4 mfg. service centers	*16 char. thru multiple displays; **W. auto constant; ***Thru 4 mfg. service centers	*16 char. thru multiple displays; **W. auto constant; ***Thru 4 mfg. service centers



Electronic Calculators—Hand Held Models

COMPANY	Casio	Casio	Casio	Casio
MODEL	Mini-Root-M	Memory-8	f(x)-10	8-U
APPLICATION AREA	General calc.	General calc.	Scientific-Eng.	General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	Fluorescent Green 8 characters* ¼" high; Not magnified & Flat	Fluorescent Green 8 characters ¼" high; Not magnified & Flat	Fluorescent Green 8 characters ¼" high; Not magnified & Flat	Fluorescent Green 8 characters ¼" high; Not magnified & Flat
KEYBOARD Size Of Keys Keyboard Layout	3/8"x1/4" C; AC; Shift for second display;	7/16"x3/8" C; AC; MR; ME	7/16"x3/8" C; AC; Log; Ln; e <sup>x</sup> ; a <sup>n</sup> ; 1/x √; Sin; Cos; Tan; π; Degrees	3/8" diameter C; AC; K
SPECIAL FEATURES Logic Decimal System	Algebraic** Floating; 16 digits	Algebraic* Floating; 7 digits	Algebraic* Floating; 7 digits	Arithmetic Fixed & Floating; 7 digits
Indicators	Overflow; Minus; Memory	Overflow; Minus; Memory	Overflow; Minus	Overflow; Minus
Registers	1 auto. accum. register	1 auto. accum. register	Not available	Not available
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
POWER SUPPLY	AC & AA size bat.; 50 hrs. compute time	AC & AA size bat.; 26 hrs. compute time	AC & AA size bat.; 17 hrs. compute time	AC & AA size bat.; 15 hrs. compute time
PHYSICAL FEATURES Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharger	1¼"x6"x3" 9 oz. Standard Standard Optional	1¼"x4½"x5½" 12 oz. Standard Not available Optional	1¼"x3¾"x6" 12 oz. Standard Not available Optional	2"x4½"x7" 1½ lbs. Standard Not available Standard
GENERAL INFORMATION Date Introduced Pricing	June 1974 \$59.95	April 1974 \$79.95	June 1974 \$99.95	July 1973 \$89.50
Warranty	1 year parts & labor***	1 year parts & labor**	1 year parts & labor**	1 year parts & labor*
COMMENTS	*16 char. thru multiple displays; **W. auto constant; ***Thru 4 mfg. service centers	*Constant set by de- pressing function key twice; **Thru 4 mfg. service centers	*W. auto constant; **Thru 4 mfg. service centers	*Thru 4 mfg. service centers

Electronic Calculators—Hand Held Models

COMPANY	Casio	Colex	Colex	Colex
MODEL	101-U	811A	ESR 30	ESR 50
APPLICATION AREA	General calc.	General calc.	Scientific-Eng.	Scientific-Eng.
DISPLAY Type Color Characters Displayed Character Size & Position	Fluorescent Green 10 characters ¼" high; Not magnified & Flat	Fluorescent Blue 8 characters 3/16" high; Not magnified & Flat	Fluorescent Green 8 characters 3/16" high; Not magnified & Flat	Fluorescent Green 8 characters 3/16" high; Not magnified & Flat
KEYBOARD Size Of Keys Keyboard Layout	3/8" diameter C; AC; T	3/8"x3/8" C; CM; RM; M (switch); %	3/8"x3/8" C; Deg; Rad; Sin; Cos; Tan; √; π	3/8"x3/8" Cl; CM; MR; M+; X↔M; X↔Y; X <sup>Y</sup> ; 1/x; √x; Ln x; Log x; Sin; Cos; Tan; Sin <sup>-1</sup> ; Cos <sup>-1</sup> ; Tan <sup>-1</sup> ; π; CS
SPECIAL FEATURES Logic Decimal System	Arithmetic* Floating; 9 digits	Arithmetic* Fixed & Floating; Add mode; 7 digits; Round off	Algebraic* Floating; 7 digits	Algebraic* Floating; 7 digits
Indicators	Overflow; Minus; Memory	Overflow; Minus	Overflow; Minus	Overflow; Minus
Registers	1 auto accum. register	1 auto accum. register	Not available	1 memory register
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
POWER SUPPLY	AC & A size bat.; 12 hrs. compute time	AC & AA size bat.; 12 hrs. compute time	AC & AA size bat.; 12 hrs. compute time	AC & AA size bat.; 12 hrs. compute time
PHYSICAL FEATURES Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharger	2"x4½"x7" 1½ lbs. Standard Not available Optional	1"x3½"x5½" 8 oz. Standard Not available Standard	1¼"x4"x6¼" 10 oz. Standard Not available Standard	1¼"x3¼"x6" 10 oz. Standard Not available Standard
GENERAL INFORMATION Date Introduced Pricing	January 1974 \$99.95	January 1974 \$69.95	September 1974 \$79.95	January 1974 \$119.95
Warranty	1 year parts & labor**	1 year parts & 6 months labor**	1 year parts & 6 months labor**	1 year parts & 6 months labor**
COMMENTS	*Constant set by depressing func. key twice; **Thru 4 mfg. service centers	*W. auto constant; **Thru 3 mfg. service centers	*W. auto constant; **Thru 3 mfg. service centers	*W. auto constant; **Thru 4 mfg. service centers

Electronic Calculators—Hand Held Models

COMPANY	Commodore	Commodore	Commodore	Commodore
MODEL	Minuteman 2PM	Minuteman 2SR	Minuteman 33	Minuteman 3MC
APPLICATION AREA	General calc.	General calc.	General calc.	Metric conversions
DISPLAY Type Color Characters Displayed Character Size & Position	LED Red 8 characters 1/8" high; Not magnified & Tilted	LED Red 8 characters 1/8" high; Not magnified & Tilted	LED Red 8 characters 1/8" high; Not magnified & Tilted	LED Red 8 characters 1/8" high; Not magnified & Tilted
KEYBOARD Size Of Keys Keyboard Layout	1/4"x3/16" C; MT; MR; M+; M-; EX; %	1/4"x3/16" C; CE; M; %; √; 1/x; X <sup>2</sup>	1/4"x3/16" C; CE; +/-; √; X <sup>2</sup>	1/4"x3/16" C; CE; M; %; In↔cm; Ft↔m; Yd↔m; Qt↔L; OL ↔ g; M↔ km; Gal ↔ L; LB↔ kg Area; Volume
SPECIAL FEATURES Logic Decimal System	Algebraic* Floating; 7 digits	Algebraic* Floating; 7 digits	Arithmetic* Floating; 7 digits	Algebraic Floating; 7 digits
Indicators	Overflow; Minus	Overflow; Minus	Overflow; Minus	Overflow; Minus
Registers	1 memory register	1 storage register	Not available	1 storage register
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
POWER SUPPLY	AC & rech. bat.; 12 hrs. compute time; 3 hrs. recharge time	Rech. bat.; 12 hrs. compute time; 3 hrs. recharge time	AC, AA size & rech. bat.; 12 hrs. compute time; 3 hrs. recharge time	AC & rech. bat.; 12 hrs. compute time; 3 hrs. recharge time
PHYSICAL FEATURES Dimensions Weight Carrying Case Strap Or Handle AC Adapter/Recharger	1¼"x3½"x5" 5 oz. Standard Not available Standard	1½"x3"x6" 1 lb. Standard Not available Standard	1"x3"x4" 5 oz. Standard Not available Optional	1"x3"x4" 5 oz. Standard Not available Standard
GENERAL INFORMATION Date Introduced Pricing	— \$74.95	— \$74.95	— \$49.95	— \$79.95
Warranty	6 months parts & labor**	6 months parts & labor*	6 months parts & labor**	6 months parts & labor*
COMMENTS	*W. auto constant; **Thru 1 mfg. service center	*Thru 1 mfg. service center	*W. auto constant; **Thru 1 mfg. service center	*Thru 1 mfg. service center

Electronic Calculators—Hand Held Models

COMPANY	Commodore	Computer Devices & Terminal General	Computer Devices & Terminal General	Computer Devices & Terminal General
<b>MODEL</b>	Minuteman 6	Compumatic	Compumatic C	Compumatic M
<b>APPLICATION AREA</b>	General calc.	General calc.	General calc.	General calc.
<b>DISPLAY</b> Type Color Characters Displayed Character Size & Position	LED Red 6 characters 1/8" high; Not magnified & Flat	LED Red 8 characters 1/8" high; Not magnified & Tilted	LED Red 8 characters 1/8" high; Not Magnified & Tilted	LED Red 8 characters 1/8" high; Not Magnified & Tilted
<b>KEYBOARD</b> Size Of Keys Keyboard Layout	1/4"x3/16" C; +=; -=; X=; ÷=; All function keys have = on them	1/2"x1/2" C; CE	1/2"x1/2" C; K	1/2"x1/2" C; CE; M
<b>SPECIAL FEATURES</b> Logic Decimal System	Arithmetic Fixed or none; 2 digits	Arithmetic Floating; 7 digits	Algebraic Floating; 7 digits	Algebraic Fixed & Floating; 7 digits; Round off
<b>Indicators</b>	Overflow; Minus	Minus	Minus	Overflow; Minus; Low battery
<b>Registers</b>	Not available	Not available	Not available	1 storage register
<b>Item Counter</b> <b>Scientific Notation</b>	Not available Not available	Not available Not available	Not available Not available	Not available Not available
<b>POWER SUPPLY</b>	9 volt bat.; 20 hrs. compute time	AC & rech. bat.; 4 hrs. compute time; 12 hrs. recharge time	AC & rech. bat.; 4 hrs. compute time; 12 hrs. recharge time	AC & rech. bat.; 8 hrs. compute time; 12 hrs. recharge time; Battery life extender
<b>PHYSICAL FEATURES</b> Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharger	3/4"x2"x4" 4 oz. Optional Not available Not available	1 1/2"x3 1/2"x5 1/2" 12 oz. Standard Not available Standard	1 1/2"x3 1/2"x5 1/2" 12 oz. Standard Not available Standard	1 1/2"x3 1/2"x5 1/2" 12 oz. Standard Not available Standard
<b>GENERAL INFORMATION</b> Date Introduced Pricing	— \$19.95	— \$39.95	— \$89.95	— \$99.95
<b>Warranty</b>	6 months parts & labor*	1 year parts & labor*	90 days parts & labor*	1 year parts & labor*
<b>COMMENTS</b>	*Thru 1 mfg. service center	*Thru 1 mfg. service center	*Thru 1 mfg. service center	*Thru 1 mfg. service center

Electronic Calculators—Hand Held Models

COMPANY	Computer Devices & Terminal General	Corvus	Corvus	Corvus
MODEL	Compumatic S	312	322	400
APPLICATION AREA	Scientific-Eng.	General calc.	General calc.	General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	LED Red 8 characters 1/8" high; Not magnified & Tilted	LED Red 8 characters 1/8" high; Not magnified & Tilted	LED Red 8 characters 1/8" high; Not magnified & Tilted	LED Red 8 characters 1/8" high; Not magnified & Tilted
KEYBOARD Size Of Keys Keyboard Layout	1/2"x1/2" C; CM; MR; M; X↔M; X↔Y; π; Sjn; Cos; Tan; Sin <sup>-1</sup> ; Cos <sup>-1</sup> ; Tan <sup>-1</sup> ; Log; Ln; 1/x; √x; e <sup>x</sup> ; CS; DR	5/16"x1/4" C; CE; √x; %	5/16"x1/4" C/CM; RM/SM; M+; M-; M; %	3/8"x1/4" C; %; Item Count
SPECIAL FEATURES Logic Decimal System	Algebraic* Floating; 7 digits	Algebraic* Floating; 7 digits	Algebraic* Floating; 7 digits	Algebraic* Floating; 7 digits
Indicators	Overflow; Minus	Overflow; Minus	Overflow; Minus; Memory	Overflow; Minus
Registers	1 storage register	Not available	1 memory register	Not available
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Standard Not available
POWER SUPPLY	AC & rech. bat.; 40 hrs. compute time; 12 hrs. recharge time; Battery life extender	AC & rech. bat.; 12 hrs. compute time; 12 hrs. recharge time	AC & rech. bat.; 12 hrs. compute time; 12 hrs. recharge time	N size bat.; 25 hrs. compute time
PHYSICAL FEATURES Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharger	1 1/2"x3 1/2"x5 1/2" 12 oz. Standard Not available Standard	1 1/2"x3"x6" 8 oz. Standard Not available Standard	1 1/2"x3"x6" 8 oz. Standard Not available Optional	1"x3"x5" 8 oz. Not available Not available Not available
GENERAL INFORMATION Date Introduced Pricing	— \$199.00	June 1973 \$59.95	November 1973 \$59.95	June 1974 \$39.95
Warranty	1 year parts & labor*	1 year parts & labor**	1 year parts & labor**	1 year parts & labor**
COMMENTS	*Thru 1 mfg. service center	*W. auto constant; **Thru 2 mfg. service centers	*W. auto constant; **Thru 2 mfg. service centers	*W. auto constant; **Thru 2 mfg. service centers

Electronic Calculators—Hand Held Models

COMPANY	Corvus	Corvus	Craig	Craig
MODEL	411	415	4506	4507
APPLICATION AREA	Slide rule calc.	General calc.	General calc.	General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	LED Red 6 characters 1/8" high; Not magnified & Tilted	LED Red 8 characters 1/8" high; Not magnified & Tilted	Fluorescent Green 8 characters 1/4" high; Not magnified & Tilted	LED Red 8 characters 1/8" high; Not magnified & Tilted
KEYBOARD Size Of Keys Keyboard Layout	3/8" x 1/4" C; MS; MR; EX; 1/x; $\sqrt{x}$ ; $\pi$ ; EE	5/16" x 1/4" C; CM; RM; M+; M-; EX; 1/x; %	1/2" x 1/2" C; CM; RM; %	1/2" x 1/2" C; %
SPECIAL FEATURES Logic Decimal System	Algebraic* Floating; 5 digits	Algebraic* Floating; 5 digits	Algebraic* Floating & Add mode; 7 digits; Round off	Algebraic* Floating; 7 digits
Indicators	Overflow; Minus	Overflow; Minus; Memory	Overflow; Minus; Memory	Overflow; Minus
Registers	1 storage register	1 memory register	1 auto accum. register	Not available
Item Counter Scientific Notation	Not available 6 digits mantissa & 2 digit exponent	Not available Not available	Not available Not available	Not available Not available
POWER SUPPLY	AC & rech. bat.; 12 hrs. compute time; 12 hrs. recharge time	AC & rech. bat.; 12 hrs. compute time; 12 hrs. recharge time	AC & AA size bat.; 10 hrs. compute time	AC & rech. bat.; 10 hrs. compute time; 12 hrs. recharge time
PHYSICAL FEATURES Dimensions Weight Carrying Case Strap Or Handle AC Adapter/Recharger	1 1/2" x 3" x 6" 8 oz. Standard Not available Standard	1 1/2" x 3" x 6" 8 oz. Standard Not available Standard	1 1/2" x 3 1/4" x 6" — Standard Not available Standard	1 1/4" x 3" x 5 1/2" — Standard Not available Standard
GENERAL INFORMATION Date Introduced Pricing	July 1974 \$89.95	June 1974 \$79.95	— \$79.95	— \$49.95
Warranty	1 year parts & labor**	1 year parts & labor**	1 year parts & labor**	1 year parts & labor**
COMMENTS	*W. auto constant; **Thru 2 mfg. service centers	*W. auto constant; **Thru 2 mfg. service centers	*W. auto constant; **Thru 60 mfg. service centers; 30 day exchange; 2 yr. warranty = \$9.75	*W. auto constant; **Thru 60 mfg. service centers; 30 day exchange; 2 yr. warranty = \$9.75

Electronic Calculators--Hand Held Models

COMPANY	Craig	Craig	G. W. Industries	Hermes
MODEL	4511A	4512	Minipet 82M	Administrator
APPLICATION AREA	General calc.	Scientific-Eng.	General calc.	General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	LED Red 8 characters 1/8" high; Not magnified & Tilted	Fluorescent Blue 8 characters 1/4" high; Not magnified & Flat	LED Red 8 characters 1/8" high; Magnified & Flat	LED Red 8 characters 3/16" high; Magnified & Flat
KEYBOARD Size Of Keys Keyboard Layout	1/2"x1/4" CE; C	1/2"x1/2" C; CM; RM; M+; CS; Sin; Cos; Tan; Sin <sup>-1</sup> ; Cos <sup>-1</sup> ; Tan <sup>-1</sup> ; e <sup>x</sup> ; x <sup>y</sup> ; Log; Ln; √x; 1/x; X↔Y X↔M; π	1/4"x1/4" C; CM; RM; Acc; %; K	3/16"x3/16" C; CM; RM; M+=; M-=; %
SPECIAL FEATURES Logic Decimal System	Algebraic* Floating; 7 digits	Algebraic* Floating; 7 digits	Algebraic Floating & Add mode; 7 digits; Round off	Algebraic Floating; 7 digits
Indicators	Overflow; Minus	Overflow; Minus; Memory	Overflow; Minus; Memory	Overflow; Minus
Registers	Not available	1 memory register	1 auto. accum. register	1 memory register
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
POWER SUPPLY	AC & 9 volt bat.; 9 hrs. compute time	AC & rech. bat.; 10 hrs. compute time; 12 hrs. recharge time	AC & AA size bat.; 6 hrs. compute time	MP675H size bat.; 4-6 hrs. compute time
PHYSICAL FEATURES Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharger	1 1/4"x2 1/2"x4" — Standard Not available Optional	1 1/2"x6"x2 1/2" — Standard Not available Optional	1"x2 1/2"x5" 8 oz. Standard Not available Optional	1/2"x2 1/2"x4 1/2" 2 1/2 oz. Standard Not available Not available
GENERAL INFORMATION Date Introduced Pricing	— \$44.95	— \$109.95	September 1974 \$59.95	March 1974 \$79.95
Warranty	1 year parts & labor**	1 year parts & labor**	6 months parts & labor*	1 year parts & labor*
COMMENTS	*W. auto constant; **Thru 60 mfg. service centers; 30 day exchange; 2 yr. warranty = \$9.75	*W. auto constant; **Thru 60 mfg. service centers; 30 day exchange; 2 yr. warranty = \$9.75	*Thru 2 mfg. service centers	*Exchangeable thru dealer

Electronic Calculators—Hand Held Models

COMPANY	Hewlett-Packard	Hewlett-Packard	Hewlett-Packard	Hewlett-Packard
MODEL	HP-35	HP-45	HP-70	HP-80
APPLICATION AREA	Scientific-Eng.	Scientific-Eng.	Financial	Financial
DISPLAY Type Color Characters Displayed Character Size & Position	LED Red 10 characters 1/8" high; Magnified & Tilted	LED Red 10 characters 1/8" high; Magnified & Tilted	LED Red 10 characters 1/8" high; Magnified & Tilted	LED Red 10 characters 1/8" high; Magnified & Tilted
KEYBOARD Size Of Keys Keyboard Layout	3/16"x3/16" CLR; Cl x; Sto; Rel; Ch sgn; EEX; Sin; Cos; Tan; Arc; $\sqrt{x}$ ; 1/x; X $\leftrightarrow$ Y; e <sup>x</sup> ; x <sup>y</sup> ; Log; Ln; $\pi$ ; Enter	3/16"x3/16" CLR; Cl x Sto; Rcl; Ch sign; EEX; Sin; Cos; Tan; Sin <sup>-1</sup> ; Cos <sup>-1</sup> ; Tan <sup>-1</sup> ; Deg; Rad; Deg $\leftrightarrow$ Rad; Log; Ln; 1/x; 10 <sup>x</sup> ; e <sup>x</sup> ; y <sup>x</sup> ; x <sup>2</sup> ; $\sqrt{x}$ ; $\pi$ ; $\Sigma$ +; $\Sigma$ -; X $\leftrightarrow$ Y; nl; %; $\Delta$ %; Std. dev.; mean; & others	3/16"x3/16" CLR; Cl x; Sto; Dep; K; M; M+; Chg sign; %; $\Delta$ %; y <sup>x</sup> ; X $\leftrightarrow$ Y; PV; FV; Int; Pmt; i; n; Enter	3/16"x3/16" CLR; Cl x; Sto; Rcl; Chg sign; Std dev; Mean; %; $\Delta$ %; PV; FV; Trend line; Day; Data; Int; Pmt; Bond; SOD; $\Sigma$ +; $\Sigma$ -; X $\leftrightarrow$ Y; y <sup>x</sup> ; $\sqrt{x}$ ; & Others
SPECIAL FEATURES Logic Decimal System	Reverse Polish Floating; 9 digits; Round off	Reverse Polish Floating; 9 digits; Round off	Reverse Polish Floating; 9 digits; Round off	Reverse Polish Floating; 9 digits; Round off
Indicators	Overflow; Minus; Low battery	Overflow; Minus Low battery	Overflow; Minus Low battery	Overflow; Minus Low battery
Registers	1 storage register	9 memory registers 1 auto. accum. register 1 storage register	1 memory register 1 storage register	1 auto. accum. register 1 storage register
Item Counter Scientific Notation	Not available 10 digit mantissa & 2 digit exponent	Not available 10 digit mantissa & 2 digit exponent	Not available 10 digit mantissa & 2 digit exponent	Not available 10 digit mantissa & 2 digit exponent
POWER SUPPLY	AC & rech. bat.; 3-5 hrs. compute time; 14 hrs. recharge time	AC & rech. bat.; 3-5 hrs. compute time; 14 hrs. recharge time	AC & rech. bat.; 3-5 hrs. compute time; 14 hrs. recharge time	AC & rech. bat.; 3-5 hrs. compute time; 14 hrs. recharge time
PHYSICAL FEATURES Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharger	1"x3"x6" 9 oz. Standard* Not available Standard	1"x3"x6" 9 oz. Standard* Not available Standard	1"x3"x6" 9 oz. Standard* Not available Standard	1"x3"x6" 9 oz. Standard* Not available Standard
GENERAL INFORMATION Date Introduced Pricing	January 1972 \$225.00	May 1973 \$325.00	August 1974 \$275.00	January 1973 \$295.00
Warranty	1 year parts & labor**	1 year parts & labor**	1 year parts & labor**	1 year parts & labor**
COMMENTS	*Both a soft, and a plastic travel case incl.; **Thru 50 mfg. service centers	*Both a soft, and a plastic travel case incl.; **Thru 50 mfg. service centers	*Both a soft, and a plastic travel case incl.; **Thru 50 mfg. service centers	*Both a soft, and a plastic travel case incl.; **Thru 50 mfg. service centers.



Electronic Calculators—Hand Held Models

COMPANY	Kings Point	Kings Point	Kings Point	Kings Point
<b>MODEL</b>	PC-1	PC-2	8413	8414
<b>APPLICATION AREA</b>	General calc.	General calc.	Slide rule calc.	General calc.
<b>DISPLAY</b> Type Color Characters Displayed Character Size & Position	LED Red 8 characters 3/16" high; Not magnified & Flat	LED Red 8 characters 1/8" high; Not magnified & Flat	Fluorescent Blue 8 characters 3/16" high; Not magnified & Flat	Fluorescent Blue 8 characters 3/16" high; Not magnified & Flat
<b>KEYBOARD</b> Size Of Keys Keyboard Layout	½"x½" C; CE; K; %; DH	½"x½" C; CE; K; T; DH	½"x½" C; CE; K; +/-; X <sup>2</sup> ; √x	½"x½" C; CE; K; %; Add on discount; 00
<b>SPECIAL FEATURES</b> Logic Decimal System	Algebraic Floating; 7 digits	Algebraic Floating; 7 digits	Arithmetic Floating; 7 digits	Arithmetic Fixed & Floating; 7 digits; Round off
<b>Indicators</b>	Overflow; Minus; Low battery	Overflow; Minus; Low battery	Overflow; Minus; Low battery	Overflow; Minus Low battery
<b>Registers</b>	Not available	Not available	Not available	Not available
<b>Item Counter</b> <b>Scientific Notation</b>	Not available Not available	Not available Not available	Not available Not available	Not available Not available
<b>POWER SUPPLY</b>	AC, AA size & rech. bat.; 25 hrs. (AA) & 18 hrs. (rech.) compute time; 15 hrs. recharge time; Battery life extender	AC & 9 volt bat.; 25 hrs. compute time; Battery life extender	AC, AA size & rech. bat.; 6 hrs. (AA) & 6 hrs. (rech.) compute time; 15 hrs. recharge time	AC, AA size & rech. bat.; 6 hrs. (AA) & 6 hrs. (rech.) compute time; 15 hrs. recharge time
<b>PHYSICAL FEATURES</b> Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharger	¾"x2½"x6" 6 oz. Standard Not available Optional*	¾"x2½"x5½" 6 oz. Standard Not available Optional	1¼"x3¼"x6" 12 oz. Standard Not available Optional	1¼"x3¼"x6" 12 oz. Standard Not available Optional
<b>GENERAL INFORMATION</b> Date Introduced Pricing	— \$39.95	— \$39.95	— \$49.95	— \$49.95
<b>Warranty</b>	1 year parts & labor**	1 year parts & labor*	1 year parts & labor*	1 year parts & labor*
<b>COMMENTS</b>	*Incl. rech. bat.; **Thru 1 mfg. service center	*Thru 1 mfg. service center	*Thru 1 mfg. service center	*Thru 1 mfg. service center

Electronic Calculators—Hand Held Models

COMPANY	Kings Point	Kings Point	Kings Point	Litronix
MODEL	KP-200	MC-50	SC-40	1101
APPLICATION AREA	Slide rule calc.	Metric conversions	Scientific-Eng.	General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	Fluorescent Blue 8 characters 3/16" high; Not magnified & Flat	Fluorescent Blue 8 characters 3/16" high; Not magnified & Flat	LED Red 10 characters 1/8" high; Not magnified & Flat	LED Red 8 characters 1/8" high; Magnified & Flat
KEYBOARD Size Of Keys Keyboard Layout	½"x¼" C; CE; M; %; X <sup>2</sup> ; √x; 1/x; DH	½"x¼" C; M; %; 18; Metric↔US conv.	½"x¼" C; CE; M; Sin; Cos; Tan; Arc; Rad-Deg; Log x; Ln x; e <sup>x</sup> ; x <sup>2</sup> ; √x; 1/x; x <sup>y</sup> ; X↔Y; +/-; Exp; π; [; ]; (; ); DH	3/8"x1/2" C; CE
SPECIAL FEATURES Logic Decimal System	Algebraic Floating; 7 digits	Algebraic Floating; 7 digits	Algebraic Floating; 7 digits	Arithmetic Floating; 7 digits
Indicators	Overflow; Minus; Memory; Low battery	Overflow; Minus; Memory; Low battery	Overflow; Minus; Low battery	Overflow; Minus
Registers	1 storage register	1 storage register	1 storage register	Not available
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available 10 digit mantissa & 2 digit exponent	Not available Not available
POWER SUPPLY	AC & rech. bat.; 6 hrs. compute time; 15 hrs. recharge time; Battery life extender	AC & rech. bat.; 6 hrs. compute time; 15 hrs. recharge time; Battery life extender	AC & rech. bat.; 6 hrs. compute time; 15 hrs. recharge time; Battery life extender	AC & AA size bat.; 10 hrs. compute time
PHYSICAL FEATURES Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharger	1"x3¼"x6½" 10 oz. Standard Not available Standard	1"x3¼"x5¾" 10 oz. Standard Standard Standard	1"x3½"x6½" 12 oz. Standard Not available Standard	¾"x3"x6½" 7 oz. Not available Not available Optional
GENERAL INFORMATION Date Introduced Pricing	— \$79.95	— \$99.95	— \$169.95	— \$29.95
Warranty	1 year parts & labor*	1 year parts & labor*	1 year parts & labor*	1 year parts & labor*
COMMENTS	*Thru 1 mfg. service center	*Thru 1 mfg. service center	*Thru 1 mfg. service center	*Thru 1 mfg. service center

Electronic Calculators—Hand Held Models

COMPANY	Litronix	Litronix	Lloyd's	Lloyd's
MODEL	1102 & 1102R	2120 & 2120R	EH-6818	EH-8053
APPLICATION AREA	General calc.	General calc.	General calc.	General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	LED Red 8 characters 1/8" high; Magnified & Flat	LED Red 8 characters 1/8" high; Magnified & Flat	Fluorescent Blue 8 characters ¼" high; Not magnified & Tilted	LCD White 8 characters 2/5" high; Not magnified & Tilted
KEYBOARD Size Of Keys Keyboard Layout	3/8"x1/2" C; CE; K; %	3/8"x1/2" C; CM; RM; M+; M-; %; +/-; Backspace	¼"x¼" C; MR; M+; M-; %	3/8"x3/8" C; MR; M; %
SPECIAL FEATURES Logic Decimal System	Arithmetic Floating; 7 digits	Algebraic* Floating; 7 digits	Algebraic* Fixed & Floating; 7 digits; Round off	Algebraic* Floating; 7 digits
Indicators	Overflow; Minus	Overflow; Minus	Overflow; Minus	Overflow; Minus
Registers	Not available	1 memory register	1 memory register	1 memory register
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
POWER SUPPLY	AC, AA size & rech. bat.; 10 hrs. (AA) & 6-8 hrs. (rech.) com- pute time; 12-14 hrs. recharge time	AC, AA size & rech. bat.; 8 hrs. (AA) & 6-8 hrs. (rech.) com- pute time; 12-14 hrs. recharge time	AC & AA size bat.	AC & 9 volt bat.; 40 hrs. compute time
PHYSICAL FEATURES Dimensions Weight Carrying Case Strap Or Handle AC Adapter/Recharger	¾"x3"x6¼" 7 oz. Not available Not available Opt.-1102; Std.-1102R	¾"x3"x6¼" 7 oz. Not available Not available Opt.-2120; Std.-2120R	1"x3¼"x5½" — Standard Not available Standard	1¾"x3½"x6" — Standard Not available Standard
GENERAL INFORMATION Date Introduced Pricing Warranty	— \$39.95—1102 \$49.95—1102R 1 year parts & labor*	July 1974 \$49.95—2120 \$59.95—2120R 1 year parts & labor**	— \$99.95 1 year parts & labor**	— \$69.95 1 year parts & labor**
COMMENTS	*Thru 1 mfg. service center	*W. auto constant; **Thru 1 mfg. service center	*W. auto constant; **Thru 6 mfg. service centers	*W. auto constant; **Thru 6 mfg. service centers

Electronic Calculators—Hand Held Models

COMPANY	Lloyd's	Lloyd's	Lloyd's	Lloyd's
MODEL	EH-9036	EH-9143	EH-9325	EH-9994
APPLICATION AREA	General calc.	Slide rule calc.	General calc.	Scientific-Eng.
DISPLAY Type Color Characters Character Size & Position	Fluorescent Green 8 characters ¼" high; Not magnified & Flat	Fluorescent Blue 8 characters ¼" high; Not magnified & Flat	Fluorescent Green 8 characters ¼" high; Not magnified & Flat	LED Green 8 characters ¼" high; Not magnified & Flat
KEYBOARD Size Of Keys Keyboard Layout	3/8"x3/8" C; CE; %	3/8"x3/8" C; CM; MR; M+; M-; X↔M; %; √x; 1/x; x <sup>2</sup> ; +/-	3/8"x3/8" C; M; EX; %; √; +/-	3/8"x3/8" C; M+; M-; M+x <sup>2</sup> ; X→M; M→X; X↔M; Ln x; Log x; 1/x; √x; e <sup>x</sup> ; 10 <sup>x</sup> ; x <sup>y</sup> ; Sin; Cos; Tan; Arc; Deg; Rad
SPECIAL FEATURES Logic Decimal System	Algebraic* Floating; 7 digits	Algebraic* Fixed & Floating; 7 digits	Algebraic* Floating; 7 digits	Algebraic* Floating; 7 digits
Indicators	Overflow; Minus	Overflow; Minus	Overflow; Minus	Overflow; Minus
Registers	Not available	1 memory register	1 memory register	1 memory register
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
POWER SUPPLY	AA size bat.	AA size bat.	AA size bat.	AC & AA size bat.
PHYSICAL FEATURES Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharger	1¼"x3½"x5¼" — Standard Not available Not available	1"x3¼"x5¼" — Standard Not available Not available	1¼"x3½"x5¼" — Standard Not available Not available	1"x3¼"x5¼" — Standard Not available Standard
GENERAL INFORMATION Date Introduced Pricing	— \$49.95	— \$129.95	— \$69.95	— \$199.95
Warranty	1 year parts & labor**	1 year parts & labor**	1 year parts & labor**	1 year parts & labor**
COMMENTS	*W. auto constant; **Thru 6 mfg. service centers	*W. auto constant; **Thru 6 mfg. service centers	*W. auto constant; **Thru 6 mfg. service centers	*W. auto constant; **Thru 6 mfg. service centers

Electronic Calculators--Hand Held Models

COMPANY	mits	mits	mits	Melcor
MODEL	905M	908M	941M	500
APPLICATION AREA	General calc.	Slide rule calc.	Metric conversions	General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	LED Red 8 characters 1/4" high; Magnified & Flat	LED Red 8 characters 1/4" high; Magnified & Flat	LED Red 8 characters 1/4" high; Magnified & Flat	LED Red 8 characters 1/5" high; Magnified & Tilted
KEYBOARD Size Of Keys Keyboard Layout	1/2"x1/2" C; CE; M; %	1/2"x1/2" C; CE; M; %; $\sqrt{x}$ ; $x^2$ ; 1/x	1/2"x1/2" C; M; % and 36 US $\leftrightarrow$ metric conv.	7/16"x7/16" C; CE; T; M $\uparrow$ ; %
SPECIAL FEATURES Logic Decimal System	Algebraic Fixed & Floating; 7 digits	Algebraic Fixed & Floating; 7 digits	Algebraic Floating; 7 digits	Algebraic* Fixed & Floating; Add mode; 7 digits; Round off
Indicators	Overflow; Minus; Low battery	Overflow; Minus; Low battery	Overflow; Minus; Low battery	Overflow; Minus; Low battery
Registers	1 storage register	1 storage register	1 storage register	1 auto. accum. register
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
POWER SUPPLY	AC, AA & rech. bat.; 8-10 hrs. compute time; 10-15 hrs. recharge time; Battery life ex- tender	AC, AA size & rech. bat.; 8-10 hrs. compute time; 10-15 hrs. re- charge time; Battery life extender	AC, AA size & rech. bat.; 8-10 hrs. compute time; 10-15 hrs. re- charge time; Battery life extender	AC & 9 volt bat.; 5-6 hrs. compute time; Battery life extender
PHYSICAL FEATURES Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharger	1 1/2"x3 3/4"x5 3/4" 1 lb. Standard Not available Optional	1 1/2"x3 3/4"x5 3/4" 1 lb. Standard Not available Optional	1 1/2"x3 3/4"x5 3/4" 1 lb. Standard Not available Optional	3/4"x3"x6" 5 oz. Standard Not available Standard
GENERAL INFORMATION Date Introduced Pricing Warranty	— \$69.95; \$59.95 in kit form 1 year parts & labor*	— \$109.95; \$94.95 in kit form 1 year parts & labor*	— \$134.95; \$114.95 in kit form 1 year parts & labor*	— — 1 year parts & labor**
COMMENTS	*Thru 1 mfg. service center	*Thru 1 mfg. service center	*Thru 1 mfg. service center	*W. auto constant; **Thru 1 mfg. service center

Electronic Calculators—Hand Held Models

COMPANY	Melcor	Melcor	Melcor	Microelectronic Systems
MODEL	535	550	1100	Mike 3000
APPLICATION AREA	Scientific-Eng.	General calc.	General calc.	General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	LED Red 10 characters ¼" high; Magnified & Tilted	LED Red 8 characters 1/5" high; Magnified & Tilted	LED Red 8 characters 1/7" high; Magnified & Tilted	LED Red 8 characters 3/16" high; Not magnified & Tilted
KEYBOARD Size Of Keys Keyboard Layout	3/8"x7/16" C; CE; M $\downarrow$ ; e <sup>x</sup> ; xY; $\sqrt{x}$ ; 1/x; x <sup>2</sup> ; X $\leftrightarrow$ Y; Ln; Log; $\pi$ ; ( ); +/-; EE; Sin; Cos; Tan; Arc; Deg; Rad	7/16"x7/16" C; CE; CM; RM; M+; M-; %; $\sqrt{}$ ; DS; K	7/16"x7/16" C; CE; K; %; +/-	¼"x¼" CE/C; DS
SPECIAL FEATURES Logic Decimal System	Algebraic Floating; 9 digits	Algebraic Fixed & Floating; 7 digits; Round off	Algebraic Floating; 7 digits	Algebraic* Fixed & Floating; 7 digits; Round off
Indicators	Overflow; Minus; Low battery	Overflow; Minus	Overflow; Minus	Minus
Registers	1 storage register	1 memory register	Not available	Not available
Item Counter Scientific Notation	Not available 10 digit mantissa & 2 digit exponent	Not available Not available	Not available Not available	Not available Not available
POWER SUPPLY	AC & rech. bat.; 5 hrs. compute time; 8 hrs. recharge time; Battery life extender	AC & 9 volt bat.; 5-6 hrs. compute time; Battery life extender	AC & 9 volt bat.; 5-6 hrs. compute time	AC, 9 volt & rech. bat.; 16 hrs (9v) & 14 hrs (rech.) com- pute time; 24 hrs. recharge time
PHYSICAL FEATURES Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharger	1¼"x½"x6¼" 10½ oz. Standard Standard Standard	¾"x3"x6" 5 oz. Standard Not available Standard	¾"x3"x6" 5 oz. Standard Not available Optional	1¼"x3"x6" 8 oz. Standard** Not available Optional
GENERAL INFORMATION Date Introduced Pricing	June 1974 —	August 1974 —	August 1974 —	June 1974 \$29.95
Warranty	1 year parts & labor*	1 year parts & labor*	3 months parts & labor*	3 months parts & labor***
COMMENTS	*Thru 1 mfg. service center	*Thru 1 mfg. service center	*Thru 1 mfg. service center	*W. auto constant; **Self-contained; ***Thru 1 mfg. service center

Electronic Calculators—Hand Held Models

COMPANY	Microelectronic Systems	Microelectronic Systems	Microelectronic Systems	Microelectronic Systems
MODEL	Mike 3003	Mike 3010	Mike 3012	Mike 3020
APPLICATION AREA	General calc.	General calc.	General calc.	General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	LED Red 8 characters 3/16" high; Not magnified & Tilted	LED Red 8 characters 3/16" high; Not magnified & Tilted	LED Red 12 characters 3/16" high; Not magnified & Tilted	LED Red 8 characters 3/16" high; Not magnified & Tilted
KEYBOARD Size Of Keys Keyboard Layout	1/4"x1/4" C/CE; +/-; %	1/4"x1/4" CE/C; MC; MR; M+; M-; %	1/4"x1/4" CE/C; MC; MR; M+; M-; %	1/4"x1/4" CE/C; MC; MR; M+; M-; EX; +/-; $\pi$ ; $\sqrt{\quad}$ ; %; $\Delta$ %
SPECIAL FEATURES Logic Decimal System	Algebraic* Floating & Add mode; 7 digits; Round off	Algebraic* Floating & Add mode; 7 digits; Round off	Algebraic* Floating & Add mode; 11 digits; Round off	Algebraic* Floating & Add mode; 7 digits; Round off
Indicators	Overflow; Minus	Minus; Memory	Minus; Memory	Minus; Memory
Registers	Not available	1 memory register	1 memory register	1 memory register
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
POWER SUPPLY	AC, 9 volt & rech. bat.; 16 hrs. (9v) & 14 hrs. (rech.) com- pute time; 24 hrs. recharge time	AC, 9 volt & rech. bat.; 16 hrs. (9v) & 14 hrs. (rech.) com- pute time; 24 hrs. recharge time	AC, 9 volt & rech. bat.; 16 hrs. (9v) & 14 hrs. (rech.) com- pute time; 24 hrs. recharge time	AC, 9 volt & rech. bat.; 16 hrs. (9v) & 14 hrs. (rech.) com- pute time; 24 hrs. recharge time
PHYSICAL FEATURES Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharger	1 1/2"x3"x6" 8 oz. Standard** Not available Optional	1 1/2"x3"x6" 8 oz. Standard** Not available Optional	1 1/2"x3"x6" 8 oz. Standard** Not available Optional	1 1/2"x3"x6" 8 oz. Standard** Not available Optional
GENERAL INFORMATION Date Introduced Pricing	June 1974 \$39.95	June 1974 \$49.95	June 1974 \$59.95	June 1974 \$69.95
Warranty	3 months parts & labor***	3 months parts & labor***	3 months parts & labor***	3 months parts & labor***
COMMENTS	*W. auto constant; **Self-contained; ***Thru 1 mfg. service center	*W. auto constant; **Self-contained; ***Thru 1 mfg. service center	*W. auto constant; **Self-contained; ***Thru 1 mfg. service center	*W. auto constant; **Self-contained; ***Thru 1 mfg. service center

Electronic Calculators—Hand Held Models

COMPANY	Microelectronic Systems	Microelectronic Systems	Microelectronic Systems	Miida
MODEL	Mike 3025	Mike 3030	Mike 3035	828
APPLICATION AREA	Metric conversions	Scientific-Eng.	Financial	General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	LED Red 8 characters 3/16" high; Not magnified & Tilted	LED Red 8 characters 3/16" high; Not magnified & Tilted	LED Red 8 characters 3/16" high; Not magnified & Tilted	Fluorescent Blue-green 8 characters 1/4" high; Not magnified & Flat
KEYBOARD Size Of Keys Keyboard Layout	3/4"x1/4" CE/C; MC; MR; M+; M-; √; π; EX; Cm↔In; Kg↔Lb; Lt↔Gal; %; Δ%	3/4"x1/4" CE/C; CM; MR; M+; M-; X↔M; X↔Y; π; +/-; Sin; Cos; Tan; Sin <sup>-1</sup> ; Cos <sup>-1</sup> ; Tan <sup>-1</sup> ; Log; Ln; 1/x; √x; e <sup>x</sup>	3/4"x1/4" CE/C; DS; +/-; √; %; Δ%; X̄; Σ; Cost; Margin; Read; n; i; i/yr; Pymt; PV; FV; TL; Tren; Sel	3/8"x3/8" CE; C; CM; RM; M+; M-; Acc
SPECIAL FEATURES Logic Decimal System	Algebraic* Floating & Add mode; 7 digits; Round off	Algebraic* Floating; 7 digits	Algebraic* Fixed & Floating; 7 digits; Round off	Algebraic* Floating; 7 digits
Indicators	Minus; Memory	Minus; Memory	Minus	Overflow; Minus; Memory; Low battery
Registers	1 memory register	1 memory register	1 auto. accum. register	1 memory register
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
POWER SUPPLY	AC, 9 volt & rech. bat.; 16 hrs. (9v) & 14 hrs. (rech.) compute time; 24 hrs. recharge time	AC, 9 volt & rech. bat.; 16 hrs. (9v) & 14 hrs. (rech.) compute time; 24 hrs. recharge time	AC, 9 volt & rech. bat.; 16 hrs. (9v) & 14 hrs. (rech.) compute time; 24 hrs. recharge time	AC & rech. bat.
PHYSICAL FEATURES Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharge	1 1/2"x3"x6" 8 oz. Standard** Not available Optional	1 1/2"x3"x6" 8 oz. Standard** Not available Optional	1 1/2"x3"x6" 8 oz. Standard** Not available Optional	1"x4"x6 1/4" 10 1/2 oz. Standard Not available Standard
GENERAL INFORMATION Date Introduced Pricing	June 1974 \$69.95	June 1974 \$99.95	June 1974 \$109.95	— —
Warranty	3 months parts & labor***	3 months parts & labor***	3 months parts & labor***	1 year parts & labor**
COMMENTS	*W. auto constant; **Self-contained; ***Thru 1 mfg. service center	*W. auto constant; **Self-contained; ***Thru 1 mfg. service center	*W. auto constant; **Self-contained; ***Thru 1 mfg. service center	*W. auto constant; **Thru 4 mfg. service centers



Electronic Calculators—Hand Held Models

COMPANY	Miida	Miida	Monroe	Monroe
MODEL	MC 838	MC 855M & MC 868M	30	40
APPLICATION AREA	General calc.	General calc.	General calc.	General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	Fluorescent Blue-green 8 characters ¼" high; Not magnified & Flat	Fluorescent Blue-green 8 characters ¼" high; Not magnified & Flat	Gas discharge Red-orange 8 characters 1/5" high; Not magnified & Tilted	Gas discharge Red-orange 10 characters 1/5" high; Not magnified & Tilted
KEYBOARD Size Of Keys Keyboard Layout	3/8" diameter C; K; √; +/-; %	3/8" diameter C; M=; MR; K; √; %; +/-	1/2" x 3/8" CE/C; %	1/2" x 3/8" CE/C; M+=; M-=; %; ◇; (*)
SPECIAL FEATURES Logic Decimal System	Algebraic Floating; 7 digits	Algebraic Floating; 7 digits	Arithmetic* Floating & Add mode; 7 digits; Round off	Arithmetic* Fixed & Floating; Add mode; 9 digits; Round off
Indicators	Overflow; Minus	Overflow; Minus; Memory	Overflow; Minus;	Overflow; Minus
Registers	Not available	1 storage register	Not available	1 auto.accum. register
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
POWER SUPPLY	AC & AA size bat.	AC & AA size (855) & rech. (868) bat.	AC, AA size & rech. bat.; 20 hrs. compute time; 4-6 hrs. recharge time	AC, AA size & rech. bat.; 20 hrs. compute time; 4-6 hrs. recharge time
PHYSICAL FEATURES Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharger	1" x 4" x 6¼" 9 oz. Standard Not available Standard	1" x 4" x 6¼" 9 oz. Standard Not available Standard	2" x 3½" x 6" 11 oz. Standard Not available Standard	2" x 3½" x 6" 11 oz. Standard Not available Standard
GENERAL INFORMATION Date Introduced Pricing	— —	— —	April 1974 \$79.95	April 1974 \$139.95
Warranty	1 year parts & labor*	1 year parts & labor*	1 year parts & labor**	1 year parts & labor**
COMMENTS	*Thru 4 mfg. service centers	*Thru 4 mfg. service centers	*W. auto constant; **Thru 360 mfg. service centers	*W. auto constant; **Thru 360 mfg. centers

Electronic Calculators—Hand Held Models

COMPANY	Novus	Novus	Novus	Novus
MODEL	NS 600	NS 650	NS 820	NS 823 R
APPLICATION AREA	General calc.	General calc.	General calc.	General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	LED Red 6 characters 1/8" high; Magnified & Tilted	LED Red 6 characters 1/11" high; Magnified & Tilted	LED Red 8 characters 1/8" high; Magnified & Tilted	LED Red 8 characters 1/8" high; Magnified & Tilted
KEYBOARD Size Of Keys Keyboard Layout	3/8"x3/8" C	1/8"x5/16" C	1/8"x5/16" C; K; D	3/8"x3/8" C; MS; MR; K; %; D
SPECIAL FEATURES Logic Decimal System	Arithmetic Fixed; 2 digits or none	Arithmetic Fixed; 2 digits only	Algebraic Floating; 7 digits	Algebraic Floating; 7 digits
Indicators	Overflow; Minus	Overflow; Minus	Overflow; Minus	Overflow; Minus
Registers	Not available	Not available	Not available	1 storage register
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
POWER SUPPLY	AC & 9 volt bat.; 10 hrs. compute time	AC & 9 volt bat.; 10 hrs. compute time	AC & 9 volt bat.; 10 hrs. compute time; Battery life extender	AC & rech. bat.; 10 hrs. compute time; 14 hrs. recharge time; Battery life extender
PHYSICAL FEATURES Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharger	1"x2 3/4"x5" 5 oz. Optional Not available Optional	1"x2 3/4"x5" 5 oz. Optional Not available Optional	1"x2 3/4"x5" 5 oz. Optional Not available Optional	1 1/4"x3"x5 1/4" 7 oz. Optional Not available Optional
GENERAL INFORMATION Date Introduced Pricing	September 1973 \$19.95	June 1974 \$19.95	February 1974 \$34.95	February 1974 \$59.95
Warranty	3 months parts & labor*	3 months parts & labor*	3 months parts & labor*	3 months parts & labor*
COMMENTS	*Thru 1 mfg. service center	*Thru 1 mfg. service center	*Thru 1 mfg. service center	*Thru 1 mfg. service center

Electronic Calculators—Hand Held Models

COMPANY	Novus	Novus	Olympia	Panasonic
MODEL	NS 823T	NS 900	CD 71	JE-66OU
APPLICATION AREA	General calc.	General calc.	General calc.	General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	LED Red 8 characters 1/8" high; Magnified & Tilted	LED Red 9 characters 1/11" high; Magnified & Tilted	Fluorescent Green 8 characters 1/8" high; Not magnified & Flat	Fluorescent Green 6 characters* 3/16" high; Not magnified & Flat
KEYBOARD Size Of Keys Keyboard Layout	3/8"x3/8" C; MS; MR; K; %; D	3/8"x3/8" C; D	3/8"x3/8" C; CM; RM; AM; %	1/4" diameter C; Dsp shift
SPECIAL FEATURES Logic Decimal System	Algebraic Floating; 7 digits	Arithmetic Fixed; 2 digits or none	Algebraic* Fixed & Floating; 8 digits; Round off	Algebraic* Floating; 5 digits
Indicators	Overflow; Minus	Overflow; Minus	Overflow; Minus; Low battery	Overflow; Minus; Low battery
Registers	1 storage register	Not available	1 auto. accum. register	Not available
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
POWER SUPPLY	AC & 9 volt bat.; 10 hrs. compute time; Battery life extender	AC & 9 volt bat.; 10 hrs. compute time; Battery life extender	AC & rech. bat.; 10 hrs. compute time; 15 hrs. recharge time; Battery life extender	AC & AA size bat.; 15 hrs. compute time
PHYSICAL FEATURES Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharger	1 1/4"x3"x5 1/4" 7 oz. Optional Not available Optional	1"x2 3/4"x5" 5 oz. Optional Not available Optional	1 1/4"x3 1/2"x6" 11 oz. Standard Standard Standard	1 1/4"x3 1/2"x4 1/2" 9 oz. Not available Standard Optional
GENERAL INFORMATION Date Introduced Pricing	February 1974 \$49.95	December 1973 \$24.95	March 1974 \$119.50	May 1974 \$59.95
Warranty	3 months parts & labor*	3 months parts & labor*	1 year parts & labor**	1 year parts & labor***
COMMENTS	*Thru 1 mfg. service center	*Thru 1 mfg. service center	*W. auto constant; **Thru 1,000 dealer & mfg. service centers	*12 characters thru multiple displays; **W. auto constant; ***Thru 1,000 dealer & mfg. service centers

Electronic Calculators—Hand Held Models

COMPANY	Panasonic	Panasonic	Panasonic	Panasonic
MODEL	JE-850U	JE-855U	JE-860U	JE-883U
APPLICATION AREA	General calc.	General calc.	General calc.	General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	Fluorescent Green 8 characters 3/16" high; Not magnified & Flat	Fluorescent Green 8 characters 3/16" high; Not magnified & Flat	Fluorescent Green 8 characters 3/16" high; Not magnified & Flat	Fluorescent Green 8 characters 3/16" high; Not magnified & Flat
KEYBOARD Size Of Keys Keyboard Layout	3/8" diameter C; CE	3/8" diameter C; MR; $\Sigma$	3/8" diameter C; $\sqrt{\quad}$ ; $\pi$	3/8"x3/8" C; CE
SPECIAL FEATURES Logic Decimal System	Algebraic* Floating; 7 digits	Algebraic* Floating; 7 digits	Algebraic* Floating; 7 digits	Algebraic* Floating; 7 digits
Indicators	Overflow; Minus; Low battery	Overflow; Minus; Low battery	Overflow; Minus; Low battery	Overflow; Minus; Low battery
Registers	Not available	1 auto. accum. register	Not available	Not available
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
POWER SUPPLY	AC, AA size & rech. bat.; 10 hrs. (AA) & 5 hrs. (rech.) compute time; 5 hrs. recharge time	AC, AA size & rech. bat.; 10 hrs. (AA) & 5 hrs. (rech.) compute time; 5 hrs. recharge time	AC & AA size & rech. bat.; 10 hrs. (AA) & 5 hrs. (rech.) compute time; 5 hrs. recharge time	AC & AA size bat.; 20 hrs. compute time
PHYSICAL FEATURES Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharger	1 1/2"x4"x6 1/2" 1 lb. Standard Standard Std. (Adapter)**	1 1/2"x4"x6 1/2" 1 lb. Standard Standard Std. (Adapter)**	1 1/2"x4"x6" 1 lb. Standard Standard Std. (Adapter)**	1 1/4"x3 1/4"x5 1/4" 11 oz. Standard Standard Standard
GENERAL INFORMATION Date Introduced Pricing	November 1972 —	September 1973 \$89.95	June 1973 \$89.95	November 1973 \$69.95
Warranty	1 year parts & labor***	1 year parts & labor***	1 year parts & labor***	1 year parts & labor**
COMMENTS	*W. auto constant; ** Recharger & rech. bat. opt.; *** Thru 23 mfg. service centers	*W. auto constant; ** Recharger & rech. bat. opt.; *** Thru 23 mfg. service centers	*W. auto constant; ** Recharger & rech. bat. opt.; *** Thru 23 mfg. service centers	*W. auto constant; ** Thru 23 mfg. service centers

Electronic Calculators—Hand Held Models

COMPANY	Panasonic	Panasonic	Panasonic	Peripheral Magnetics
MODEL	JE-2000 U	JE-2001 U	JE-2002 U	Sands 004
APPLICATION AREA	General calc.	General calc.	General calc.	General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	LED Red 8 characters 3/16" high; Not magnified & Flat	LED Red 8 characters 3/16" high; Not magnified & Flat	LED Red 8 characters 3/16" high; Not magnified & Flat	LED Red 8 characters 3/16" high; Not magnified & Flat
KEYBOARD Size Of Keys Keyboard Layout	¼" diameter C; CE; D	¼" diameter C; CE; RM; $\Sigma$ ; %; N	¼" diameter C; CE; RM; $\Sigma$ ; $\pi$ ;	3/8" x 3/8" C; K
SPECIAL FEATURES Logic Decimal System	Algebraic* Floating; 7 digits	Algebraic* Floating; 7 digits	Algebraic* Floating; 7 digits	Algebraic Floating; 7 digits
Indicators	Overflow; Minus	Overflow; Minus; Memory	Overflow; Minus; Memory	Overflow; Minus
Registers	Not available	1 auto. accum. register	1 auto. accum. register	Not available
Item Counter Scientific Notation	Not available Not available	Standard Not available	Not available Not available	Not available Not available
POWER SUPPLY	AC & rech. bat.; 7 hrs. compute time; 5 hrs. recharge time; Battery life extender	AC & rech. bat.; 6 hrs. compute time; 5 hrs. recharge time	AC & rech. bat.; 6 hrs. compute time; 5 hrs. recharge time	AC & 9 volt bat.
PHYSICAL FEATURES Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharger	¾" x 3" x 6" 6 oz. Standard Not available Standard	¾" x 3" x 6" 6 oz. Standard Not available Standard	¾" x 3" x 6" 6 oz. Standard Not available Standard	¾" x 2½" x 4½" 4 oz. Standard Not available Standard
GENERAL INFORMATION Date Introduced Pricing	July 1974 \$79.95	June 1974 \$99.95	July 1974 \$99.95	— —
Warranty	1 year parts & labor**	1 year parts & labor**	1 year parts & labor**	1 year parts & labor*
COMMENTS	*W. auto constant; **Thru 23 mfg. service centers	*W. auto constant; **Thru 23 mfg. service centers	*W. auto constant; **Thru 23 mfg. service centers	*Exchangeable thru mfg.

Electronic Calculators—Hand Held Models

COMPANY	RBM-Titan	RBM-Titan	RBM-Titan	RBM-Titan
<b>MODEL</b>	Columbia II	Memory II	Scientific	Century 21
<b>APPLICATION AREA</b>	General calc.	General calc.	Slide rule calc.	Scientific-Eng.
<b>DISPLAY</b> Type Color Characters Displayed Character Size & Position	LED Red 8 characters 1/8" high; Not magnified & Tilted	LED Red 8 characters 1/8" high; Not magnified & Tilted	LED Red 8 characters 1/6" high; Not magnified & Tilted	LED Red 10 characters 1/6" high; Not magnified & Tilted
<b>KEYBOARD</b> Size Of Keys Keyboard Layout	3/8"x3/8" C; CE; K	3/8"x3/8" C; CE; M/K	3/8"x3/8" C; CE; M/K; %; 1/X; X <sup>10</sup> ; √	3/8"x3/8" CE; CA; M; Sin; Cos; Tan; Arc; Inv; Log; π; Deg; Rad; e <sup>x</sup> ; √x; 1/x; X↔Y; [; ]; CS
<b>SPECIAL FEATURES</b> Logic Decimal System	Arithmetic Fixed & Floating; 7 digits; Round off	Algebraic Fixed & Floating; 7 digits; Round off	Algebraic Fixed & Floating; 7 digits; Round off	Algebraic Fixed & Floating; 9 digits; Round off
<b>Indicators</b>	Overflow; Minus; Low battery	Overflow; Minus; Low battery	Overflow; Minus; Low battery	Overflow; Minus; Low battery
<b>Registers</b>	Not available	1 storage register	1 storage register	1 storage register
<b>Item Counter</b> <b>Scientific Notation</b>	Not available Not available	Not available Not available	Not available Not available	Not available 10 digit mantissa & 2 digit exponent
<b>POWER SUPPLY</b>	AC & rech. bat.; 4 hrs. compute time; 8 hrs. recharge time; Battery life extender	AC & rech. bat.; 4 hrs. compute time; 8 hrs. recharge time; battery life extender	AC & rech. bat.; 4 hrs. compute time; 8 hrs. recharge time; battery life extender	AC & rech. bat.; 4 hrs. compute time; 8 hrs. recharge time; Battery life extender
<b>PHYSICAL FEATURES</b> Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharger	1"x3"x5½" 7½ oz. Standard Not available Standard	1"x3"x5½" 7½ oz. Standard Not available Standard	1¼"x3¼"x6½" 8 oz. Standard Not available Standard	1¼"x3¼"x6½" 8 oz. Standard Not available Standard
<b>GENERAL INFORMATION</b> Date Introduced Pricing	March 1973 \$49.00	March 1973 \$59.00	November 1973 \$69.00	August 1974 —
<b>Warranty</b>	1 year parts & labor*	1 year parts & labor*	1 year parts & labor*	1 year parts & labor*
<b>COMMENTS</b>	*Thru 2 mfg. service centers	*Thru 2 mfg. service centers	*Thru 2 mfg. service centers	*Thru 2 mfg. service centers

Electronic Calculators—Hand Held Models

COMPANY	Regan Ind.	Rockwell Int., Bus. Equip. Div.	Rockwell Int., Bus. Equip. Div.	Rockwell Int., Bus. Equip. Div.
MODEL	RA 900	102	Mini 104 + Memory	201
APPLICATION AREA	General calc.	General calc.	General calc.	General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	Fluorescent Green 8 characters 3/16" high; Not magnified & Tilted	LED Red 8 characters 1/8" high; Magnified & Flat	LED Red 8 characters 1/8" high; Magnified & Flat	Fluorescent Green 8 characters 3/16" high; Not magnified & Tilted*
KEYBOARD Size Of Keys Keyboard Layout	½" x ½" C; +/-; K; M; MT	5/16" diameter C; DS	5/16" diameter C; CM; RM	3/8" x 3/8" C; CM; RM; A; %
SPECIAL FEATURES Logic Decimal System	Algebraic Floating; 7 digits	Arithmetic* Fixed & Floating; 7 digits; Round off	Arithmetic* Floating in; Fixed out at 2 places; 2 digits; Round off	Arithmetic* Floating or Fixed out at 2 places; 7 digits; Round off
Indicators	Overflow; Minus	Overflow; Minus	Overflow; Minus; Memory	Overflow; Minus
Registers	1 auto. accum. register	Not available	1 auto. accum. register**	1 auto. accum. register
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
POWER SUPPLY	AC & rech. bat.; 4 hrs. compute time; 12-16 hrs. recharge time	AC, 9 volt & rech. bat.; 8 hrs. (9 volt) & 5 hrs. (rech.) com- pute time; 8 hrs. recharge time	AC, 9 volt & rech. bat.; 14 hrs. (9 volt) & 5 hrs. (rech.) com- pute time; 8 hrs. recharge time	AC, AA size & rech. bat.; 10 hrs. (AA) & 5 hrs. (rech.) com- pute time; 8 hrs. recharge time
PHYSICAL FEATURES Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharger	1¼" x 3¼" x 5½" 13 oz. Optional Optional Standard	¾" x 3" x 5¼" 6 oz. Standard Not available Optional	¾" x 3" x 5½" 6 oz. Standard Not available Optional	1½" x 3¼" x 6" 12 oz. Standard Not available Optional
GENERAL INFORMATION Date Introduced Pricing	October 1973 \$69.95	August 1973 \$49.95	January 1974 \$59.95	September 1973 \$79.95
Warranty	6 months parts & labor*	1 year parts & labor**	1 year parts & labor***	1 year parts & labor***
COMMENTS	*Thru 2 mfg. service centers	*W. auto constant; **Thru 32 mfg. service centers	*W. auto constant; **(=) completes multi or div. & adds result to register; ***Thru 32 mfg. service centers	*W. built-in kick- stand; **W. auto constant; ***Thru 32 mfg. service centers

Electronic Calculators—Hand Held Models

COMPANY	Rockwell Int., Bus. Equip. Div.	Rockwell Int., Bus. Equip. Div.	Rockwell Int., Bus. Equip. Div.
<b>MODEL</b>	202 SR	203 Metric Converter	204 Financier
<b>APPLICATION AREA</b>	Scientific-Eng.	Metric conversions	Financial calc.
<b>DISPLAY</b> Type Color Characters Displayed Character Size & Position	Fluorescent Blue 8 characters 3/16" high; Not magnified & Tilted*	Fluorescent Blue 8 characters 3/16" high; Not magnified & Tilted*	Fluorescent Blue 8 characters 3/16" high; Not magnified & Tilted*
<b>KEYBOARD</b> Size Of Keys Keyboard Layout	3/8"x3/8" C; CF; M+; M-; X←M; X→M; X↔M; M+x <sup>2</sup> ; +/-; 1/x; x <sup>y</sup> ; √x; π; EX; Log x; LN x; e <sup>x</sup> ; 10 <sup>x</sup> ; Sin; Cos; Tan; Arc; Deg; Rad	3/8"x3/8" C; CM; MR; M+; M-; & 112 conv. involving U.S., Metric, & Imp. constants	3/8"x3/8" CE; CA; √; %; Δ%; Cost; Margin; Std. dev; Mean; PV; FV; Sell; Trend; Trend line; Pmt; Int; Int/yr; +/-; DS; Read; To ans; Ent to
<b>SPECIAL FEATURES</b> Logic Decimal System	Algebraic** Floating; 7 digits	Algebraic** Floating or Fixed at 2 places; 7 digits; Round off	Alg./Arith.** Fixed & Floating; 7 digits; Round off
<b>Indicators</b>	Overflow; Minus	Overflow; Minus	Overflow; Minus
<b>Registers</b>	1 memory register	1 memory register	—
<b>Item Counter</b> <b>Scientific Notation</b>	Not available Not available	Not available Not available	Not available Not available
<b>POWER SUPPLY</b>	AC, AA size & rech. bat.; 10 hrs. (AA) & 5 hrs. (rech.) com- pute time; 8 hrs. recharge time	AA size & rech. bat.; 10 hrs. (AA) & 5 hrs. (rech.) compute time; 8 hrs. recharge time	AA size & rech. bat.; 10 hrs. (AA) & 5 hrs. (rech.) compute time; 8 hrs. recharge time
<b>PHYSICAL FEATURES</b> Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharger	1½"x3¼"x6" 12 oz. Standard Not available Optional	1½"x3¼"x6" 12 oz. Standard Not available Standard	1½"x3¼"x6" 12 oz. Standard Not available Standard
<b>GENERAL INFORMATION</b> Date Introduced Pricing	November 1973 \$119.95	July 1974 \$139.95	July 1974 \$249.95
<b>Warranty</b>	1 year parts & labor***	1 year parts & labor***	1 year parts & labor***
<b>COMMENTS</b>	*W. built-in kickstand; **W. auto constant; *** Thru 32 mfg. service centers	*W. built-in kickstand; **W. auto constant; *** Thru 32 mfg. service centers	*W. built-in kickstand; **Changeable w. switch; W. auto constant; *** Thru 32 mfg. service centers



Electronic Calculators—Hand Held Models

COMPANY	Royal	Royal	Sanyo
MODEL	MGT	88M	CX 2105
APPLICATION AREA	General calc.	General calc.	General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	Fluorescent Green 8 characters ¼" high; Not magnified & Tilted	Fluorescent Green 8 characters ¼" high; Not magnified & Tilted	Fluorescent Amber 12 characters ¼" high; Not magnified & Tilted
KEYBOARD Size Of Keys Keyboard Layout	7/16"x7/16" CE/C; CM; RM; M+; M-	7/16"x7/16" CE/C; CM; RM; M+; M-	½"x½" C; CM; RM; M+; M-; Σ; Item count; EX; %; +/-
SPECIAL FEATURES Logic Decimal System	Algebraic* Floating; 7 digits	Algebraic* Floating; 7 digits	Algebraic* Fixed & Floating; Add mode; 11 digits; Round off
Indicators	Overflow; Minus; Memory	Overflow; Minus; Memory	Overflow; Minus; Memory; Low battery
Registers	1 memory register	1 memory register	1 memory register
Item Counter Scientific Notation	Not available Not available	Not available Not available	Standard Not available
POWER SUPPLY	AC, AA size & rech. bat.; 8 hrs. compute time; 10 hrs. recharge time	AC & AA size bat.; 8 hrs. compute time	AC & rech. bat.; 5 hrs. compute time; 8 hrs. recharge time
PHYSICAL FEATURES Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharger	1¾"x3¾"x6" 9 oz. Standard Not available Optional	1¾"x3¾"x6" 9 oz. Standard Not available Optional	1½"x4"x6" 1 lb. Standard Not available Standard
GENERAL INFORMATION Date Introduced Pricing	July 1974 \$69.95	July 1974 \$64.95	January 1974 \$199.95
Warranty	1 year parts & 3 months labor**	1 year parts & 3 months labor**	1 year parts & labor**
COMMENTS	*W. auto constant; **Thru 4 mfg. service centers	*W. auto constant; **Thru 4 mfg. service centers	*W. auto constant; **Thru 5 mfg. service centers

Electronic Calculators—Hand Held Models

COMPANY	Sanyo	Sharp	Sharp	Sharp
MODEL	CX 6000	EL-122	EL-805	EL-807
APPLICATION AREA	General calc.	General calc.	General calc.	General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	Fluorescent Blue 6 characters* ¼" high; Not magnified & Flat	Fluorescent Green 6 characters* ¼" high; Not magnified & Flat	LCD White 8 characters ¼" high; Not magnified & Flat*	LCD White 8 characters ¼" high; Not magnified & Flat*
KEYBOARD Size Of Keys Keyboard Layout	½" x ½" CK; CA; +/-; Shift for second display	½" x ½" C; CE; Dsp shift	3/8" x 3/8" C; K	3/8" x 3/8" C
SPECIAL FEATURES Logic Decimal System	Algebraic** Floating; 10 digits	Algebraic** Floating; 10 digits	Arithmetic Floating; 7 digits	Algebraic**
Indicators	Overflow; Minus	Overflow; Minus	Overflow; Minus	Overflow; Minus
Registers	Not available	Not available	Not available	Not available
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
POWER SUPPLY	AC & AA size bat.; 12 hrs. compute time	AC & AA size bat.; 15 hrs. compute time	AC & AA size bat.; 100 hrs. compute time**	AC & AA size bat.; 35 hrs. compute time
PHYSICAL FEATURES Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharger	1½" x 3" x 6" 1 lb. Std. (locking lid) Standard Optional	1½" x 3½" x 5½" 10 oz. Standard Standard Standard	1½" x 3¼" x 4¼" 7 oz. Standard Standard Standard	¾" x 3" x 5¼" 7 oz. Standard Standard Standard
GENERAL INFORMATION Date Introduced Pricing	May 1974 \$44.95	May 1974 \$49.95	September 1973 \$99.95	May 1974 \$79.95
Warranty	1 year parts & labor***	1 year parts & labor***	1 year parts & labor***	1 year parts & labor***
COMMENTS	*12 char. thru multiple displays; **W. auto constant; ***Thru 5 mfg. service centers	*12 char. thru multiple displays; **W. auto constant; ***Thru 83 mfg. service centers	*W. pop-up cover; **Utilizes CMOS circuitry; ***Thru 83 mfg. service centers	*W. pop-up cover; **W. auto constant; ***Thru 83 mfg. service centers

Electronic Calculators—Hand Held Models

COMPANY	Sharp	Sharp	Sharp	Sharp
MODEL	EL-808	EL-814	EL-816S	PC-1801
APPLICATION AREA	General calc.	General calc.	General calc.	Scientific-Eng.
DISPLAY Type Color Characters Displayed Character Size & Position	LCD White 8 characters ¼" high; Not magnified & Flat*	LED Red 8 characters ¼" high; Not magnified & Flat	Fluorescent Green 8 characters* 3/8" high; Not magnified & Flat	LED Red 8 characters ¼" high; Not magnified & Flat
KEYBOARD Size Of Keys Keyboard Layout	3/8"x3/8" C	3/8"x3/8" C; CE; CM; MR; M+; M-; K	5/16"x5/16" C; CM:/MR; M+; +/-; K; Dsp shift	½"x½" C; CE; CM; MR; M+; +/-; Sin; Cos; Tan; Sin <sup>-1</sup> ; Cos <sup>-1</sup> ; Tan <sup>-1</sup> ; Deg; Rad; 1/x; e <sup>x</sup> ; √x; π; Log x; Ln x
SPECIAL FEATURES Logic Decimal System	Algebraic** Floating; 7 digits	Arithmetic Floating; 7 digits	Arithmetic Floating; 7 digits	Algebraic* Floating; 7 digits
Indicators	Overflow; Minus	Overflow; Minus; Memory; Low battery	Overflow; Minus; Memory; Low battery	Overflow; Minus; Memory; Low battery
Registers	Not available	1 memory register	1 memory register	1 memory register
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
POWER SUPPLY	AC & AA size bat.; 20 hrs. compute time	AC, AA size & rech. bat.; 15 hrs. compute time; 3 hrs. recharge time	AC, AA size & rech. bat.; 15 hrs. (AA) & 5 hrs. (rech.) compute time; 3 or 15 hrs. recharge time**	AC, AA size & rech. bat.; 29 hrs. (AA) & 8 hrs. (rech.) compute time; 4 hrs. recharge time
PHYSICAL FEATURES Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharger	1½"x4¼"x7" 14 oz. Standard Standard Optional	1½"x3½"x5¼" 14 oz. Standard Standard Optional	2"x4¼"x7" 1-1/3 lb. Standard Standard Standard	1½"x3½"x6" 13 oz. Standard Standard Standard
GENERAL INFORMATION Date Introduced Pricing	July 1973 \$69.95	March 1973 \$119.95	November 1973 \$195.95	November 1973 \$195.00
Warranty	1 year parts & labor***	1 year parts & labor**	1 year parts & labor***	1 year parts & labor**
COMMENTS	*W. pop-up cover; **W. auto constant; ***Thru 83 mfg. service centers	*W. pop-up cover; **Thru 83 mfg. service centers	*16 char. thru multiple displays; **Optionally, can run off car bat.; ***Thru 83 mfg. service centers	*W. auto constant; **Thru 83 mfg. service centers

Electronic Calculators—Hand Held Models

COMPANY	Sinclair	Sinclair	Sinclair	Sperry Remington
MODEL	Cambridge	Executive Memory	Scientific	665
APPLICATION AREA	General calc.	General calc.	Scientific-Eng.	General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	LED Red 8 characters 1/8" high; Not magnified & Flat	LED Red 8 characters 1/8" high; Not magnified & Flat	LED Red 5 characters 1/8" high; Not magnified & Flat	Fluorescent Green 6 characters* 3/16" high; Not magnified & Flat
KEYBOARD Size Of Keys Keyboard Layout	3/16"x5/16" C; CE	3/32" diameter C; CE; MC/MR; $\Sigma$ ; K	3/16"x5/16" C; Log; Antilog; Sin; Arcsin; Cox; Arcos; Tan; Arctan; Exp	3/8" x 1/4" C; AC; Dsp shift
SPECIAL FEATURES Logic Decimal System	Algebraic** Floating; 7 digits	Arithmetic Floating; 7 digits	Reverse Polish Fixed	Algebraic** Floating; 10 digits
Indicators	Overflow; Minus	Overflow; Minus	Minus	Overflow; Minus
Registers	Not available	1 auto. accum. register	Not available	Not available
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available 5 digit mantissa & 2 digit exponent	Not available Not available
POWER SUPPLY	AAA size bat.; 25 hrs. compute time	MP675H size bat.; 4-6 hrs. compute time	AAA size bat.; 25 hrs. compute time	AC & AA size bat.; 50 hrs. compute time
PHYSICAL FEATURES Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharger	3/4"x2"x4 3/4" 3 1/2 oz. Standard Not available Not available	1/2"x2 1/4"x5 1/2" 2 1/2 oz. Standard Not available Not available	3/4"x2"x4 1/4" 3 1/2 oz. Standard Not available Not available	1 1/4"x3"x5 1/4" 12 oz. Standard Not available Optional
GENERAL INFORMATION Date Introduced Pricing	August 1972 \$44.95	December 1973 \$99.95	January 1974 \$119.95	April 1974 \$49.95
Warranty	1 year parts & labor**	1 year parts & labor*	1 year parts & labor*	90 days parts & labor***
COMMENTS	*W. auto constant; **Thru 1 mfg. service center	*Thru 1 mfg. service center	*Thru 1 mfg. service center	* 12 char. thru multiple displays; **W. auto constant; ***Thru 4 mfg. service centers; 36 month svc. cont. = \$12

Electronic Calculators—Hand Held Models

COMPANY	Sperry Remington	Sperry Remington	Sperry Remington	Sperry Remington
MODEL	811 GT	819	821 GT & 823 G	825 GT
APPLICATION AREA	General calc.	General calc.	General calc.	General calc.
DISPLAY Type Color Characters Displayed Characters Size & Position	Fluorescent Green 8 characters ¼" high; Not magnified & Flat	Fluorescent Green 8 characters* ¼" high; Not magnified & Flat	Fluorescent Green 8 characters* ¼" high; Not magnified & Flat	Fluorescent Green 8 characters* ¼" high; Not magnified & Flat
KEYBOARD Size Of Keys Keyboard Layout	7/16"x7/16" C; AC; Tot; GT	3/8"x1/4" C; AC; K; √; %; dsp. shift	3/8"x1/4" C; AC; T (switch); Tot; GT; Dsp shift; (321 GT) = √ (823 GT) = %	3/8"x3/8.. C; AC; ∑; Tot; GT; K; %; √; Dsp. shift
SPECIAL FEATURES Logic Decimal System	Arithmetic* Fixed & Floating; 7 digits; Round off	Algebraic Floating; 14 digits	Algebraic* * Floating; 14 digits	Arithmetic Floating; 14 digits
Indicators	Overflow; Minus; Memory	Overflow; Minus	Overflow; Minus	Overflow; Minus; Memory
Registers	1 auto. accum. register	Not available	1 auto. accum. register	1 auto. accum. register
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
POWER SUPPLY	AC & AA size bat.; 12 hrs. compute time	AC & AA size bat.; 15 hrs. compute time	AC & AA size bat.; 17 hrs. compute time	AC & AA size bat.; 17 hrs. compute time
PHYSICAL FEATURES Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharger	2"x4½"x7" 1¼ lbs Standard Not available Standard	1¾"x3"x5½" 12 oz. Standard Not available Standard	1¾"x3"x5½" 12 oz. Standard Not available Optional	2"x4½"x7" 1¼ lbs Standard Not available Optional
GENERAL INFORMATION Date Introduced Pricing	April 1974 \$79.95	August 1974 \$59.95	April 1974 \$69.95	April 1974 \$79.95
Warranty	90 days parts & labor**	90 days parts & labor**	90 days parts & labor***	90 days parts & labor**
COMMENTS	*W. auto constant; **Thru 4 mfg. service centers; 36 month svc. cont. = \$12	* 16 char. thru multiple displays; **Thru 4 mtg. service centers; 36 month svc. cont. = \$12	* 16 char. thru multiple displays; **W. auto constant; ***Thru 4 service centers; 36 month svc. cont. = \$12	* 16 char. thru multiple displays; **Thru 4 mfg. service centers; 36 month svc. cont. = \$12

Electronic Calculators—Hand Held Models

COMPANY	Sperry Remington	Summit	Summit	Summit
MODEL	SSR-8	SL-8M	SM-20	MCC
APPLICATION AREA	Scientific-Eng.	General calc.	General calc.	Metric conversions
DISPLAY Type Color Characters Displayed Character Size & Position	Fluorescent Green 8 characters ¼" high; Not magnified & Flat	LED Red 8 characters 1/8" high; Magnified & Tilted	LED Red 8 characters 1/8" high; Magnified & Tilted	LED Red 8 characters 1/8" high; Magnified & Tilted
KEYBOARD Size Of Keys Keyboard Layout	3/8"x1/4" C; AC; $\pi$ ; Sin; Cos; Tan; Log; Ln; $\sqrt{\quad}$ ; $e^x$ ; $a^n$ ; 1/x; Deg	5/16"x3/16" C; CE; M=; MR; %	5/16"x3/16" C; MS; MR; %; K	5/16"x3/16" C/CE; M=; %; $x^2$ ; $x^3$ ; & 36 US $\leftrightarrow$ Metric conv
SPECIAL FEATURES Logic Decimal System	Algebraic* Floating; 7 digits	Algebraic* Fixed & Floating; Add mode; 7 digits; Round off	Algebraic Floating; 7 digits	Algebraic Floating; 7 digits
Indicators	Overflow; Minus	Overflow; Minus; Low battery	Overflow; Minus	Overflow; Minus; Low battery
Registers	Not available	1 auto. accum. register	1 storage register	1 storage register
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
POWER SUPPLY	AC & AA size bat.; 17 hrs. compute time	AC, 9 volt & rech. bat.; 2-4 hrs. recharge time; Battery life extender	AC & 9 volt bat.; Battery life extender	AC, 9 volt & rech. bat.; 2-4 hrs. recharge time; Battery life extender
PHYSICAL FEATURES Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharger	1½"x3½"x6" 12 oz. Standard Not available Optional	1"x2½"x4½" 5 oz. Standard Not available Standard	1½"x2½"x4½" 4 oz. Standard Not available Optional	1"x2½"x4½" 5 oz. Standard Not available Standard
GENERAL INFORMATION Date Introduced Pricing	April 1974 \$129.00	January 1974 \$79.95	June 1974 \$44.95	November 1973 \$79.95
Warranty	90 days parts & labor**	1 year parts & labor**	1 year parts & labor*	1 year parts & labor*
COMMENTS	*W. auto constant; **Thru 4 mfg. service centers; 36 month svc. cont. = \$12	*W. auto constant; **Thru 2 mfg. service centers	*Thru 2 mfg. service centers	*Thru 2 mfg. service centers

Electronic Calculators—Hand Held Models

COMPANY	Summit	Summit	Teal Industries	Teal Industries
MODEL	SI-80	SI-90	TL-81	TL-812
APPLICATION AREA	Slide rule calc.	Scientific-Eng.	General calc.	General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	LED Red 8 characters 1/8" high; magnified & Tilted	LED Red 10 characters 1/8" high; Magnified & Tilted	Fluorescent Green 8 characters 3/16" high; Not magnified & Tilted	Fluorescent Green 8 characters 3/16" high; Not magnified & Tilted
KEYBOARD Size Of Keys Keyboard Layout	5/16"x3/16" C; CE; M=; %; X <sup>2</sup> ; √x; 1/x	5/16"x3/16" C; CE; M $\uparrow$ ; Sin; Cos; Tan; Arc; Deg; Rad; Log; Ln; e <sup>x</sup> ; 1/x; √x; x <sup>y</sup> ; X $\leftrightarrow$ Y; [; ]; +/-; $\pi$ ; Exp	5/16"x5/16" C; CE; CM; M+=; M-=; Tot; K	5/16"x5/16" C; MC/MR; M=; +/-; %; √
SPECIAL FEATURES Logic Decimal System	Algebraic Fixed & Floating; 7 digits; Round off	Algebraic Floating; 9 digits	Arithmetic Floating; 7 digits	Algebraic* Floating; 7 digits
Indicators	Overflow; Minus; Low battery	Overflow; Minus; Low battery	Overflow; Minus; Memory	Overflow; Minus; Memory
Registers	1 storage register	1 storage register	1 memory register	1 storage register
Item Counter Scientific Notation	Not available Not available	Not available 10 digit mantissa & 2 digit exponent	Not available Not available	Not available Not available
POWER SUPPLY	AC, 9 volt & rech. bat.; 2-4 hrs. recharge time; Battery life extender	AC & rech. bat.; 4 hrs. compute time; 2-4 hrs.; Battery life extender	AC & AA size bat.; 3 hrs. compute time	AC & AA size bat.; 3 hrs. compute time
PHYSICAL FEATURES Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharger	1"x2 $\frac{3}{4}$ "x4 $\frac{3}{4}$ " 5 oz. Standard Not available Standard	1 $\frac{1}{2}$ "x3 $\frac{3}{4}$ "x6" 8 oz. Standard Not available Standard	1 $\frac{1}{4}$ "x4"x5 $\frac{3}{4}$ " 10 oz. Standard Not available Standard	1 $\frac{1}{4}$ "x4"x5 $\frac{3}{4}$ " 10 oz. Standard Not available Optional
GENERAL INFORMATION Date Introduced Pricing	March 1974 \$79.95	June 1974 \$169.95	— \$59.90	May 1974 \$69.90
Warranty	1 year parts & labor*	1 year parts & labor*	1 year parts*	1 year parts*
COMMENTS	*Thru 2 mfg. service centers	*Thru 2 mfg. service centers	*Thru 3 mfg. service centers	W. auto constant; **Thru 3 mfg. service centers

Electronic Calculators—Hand Held Models

COMPANY	Texas Instruments	Texas Instruments	Texas Instruments	Texas Instruments
MODEL	Exactra 20	Exactra 21	TI-1500	TI-2500 & TI-2510
APPLICATION AREA	General calc.	General calc.	General calc.	General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	LED Red 6 characters 1/8" high; Magnified & Flat	LED Red 8 characters 1/8" high; Magnified & Flat	LED Red 8 characters 1/8" high; Magnified & Flat	LED Red 8 characters 1/8" high; Magnified & Flat
KEYBOARD Size Of Keys Keyboard Layout	3/8"x1/4" CE; C	3/8"x1/4" CE; C	3/8"x3/8" CE; C; %	3/8"x3/8" CE; C; K
SPECIAL FEATURES Logic Decimal System	Algebraic Floating & Add mode; 5 digits; Round off	Algebraic* Floating; 7 digits	Algebraic* Floating; 7 digits	Algebraic Floating; 7 digits
Indicators	Overflow; Minus	Overflow; Minus	Overflow; Minus	Overflow; Minus
Registers	Not available	Not available	Not available	Not available
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
POWER SUPPLY	AA size bat. (not incl.); 15 hrs. compute time	AA size bat. (not incl.); 15 hrs. compute time	AC or rech. bat.; 4-6 hrs. compute time; 10-12 hrs. recharge time	AC, AA size bat. (not incl.); & rech. bat. (2500 only); 15 hrs. (AA) & 4-6 hrs. (rech.) compute time; 12 hrs. recharge time
PHYSICAL FEATURES Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharger	1½"x2¼"x5" 8 oz. Standard Not available Not available	1½"x2¼"x5" 8 oz. Standard Not available Not available	1"x2½"x5" 7 oz. Standard Not available Standard	1¾"x3"x5½" 10 oz. Standard Not available
GENERAL INFORMATION Date Introduced Pricing	March 1974 —	March 1974 —	February 1974 —	9/72(2500);9/73(2510) \$44.95—2500 \$39.95—2510
Warranty	3 months parts & labor*	3 months parts & labor**	1 year parts & labor**	1 year parts & labor*
COMMENTS	*Thru dealer or 1 mfg. service center	*W. auto constant; **Thru dealer or 1 mfg. service center	*W. auto constant; **Thru dealer or 1 mfg. service center	*Thru dealer or 1 mfg. service center



Electronic Calculators—Hand Held Models

COMPANY	Texas Instruments	Texas Instruments	Texas Instruments	Toshiba
MODEL	TI-2550	SR-10 & SR-11	SR-50	BC-0804 B
APPLICATION AREA	General calc.	Slide rule calc.	Scientific-Eng.	General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	LED Red 8 characters 1/8" high; Magnified & Tilted	LED Red 8 characters 1/8" high; Magnified & Tilted	LED Red 10 characters 1/8" high; Magnified & Tilted	Fluorescent Green 8 characters 1/2" high; Not magnified & Tilted
KEYBOARD Keyboard Layout	3/8"x3/8" CE; C; CM; MR; M+; M-; %	3/8"x3/8" C; CD; 1/x; $\sqrt{x}$ ; $x^2$ ; +/-; EE; (SR-11): $\pi$ ; K	3/8"x1/4" CE; C; Sto; Rcl; $\Sigma$ ; Sin; Cos; Tan; Arc; Hyp; Deg; Rad; Deg $\leftrightarrow$ Rad; EE; ; +/-; X $\leftrightarrow$ Y; $e^x$ ; 1/x; $\sqrt{x}$ ; $x^2$ ; x!; $y^x$ $\sqrt[y]{x}$ ; Log x; Ln x	1/2" diameter CE; C; K
SPECIAL FEATURES Logic Decimal System	Algebraic* Fixed & Floating; 7 digits; Round off	Algebraic Floating; 7 digits	Algebraic Floating; 9 digits	Arithmetic Fixed & Floating; 7 digits; Round off
Indicators	Overflow; Minus; Memory	Overflow; Minus	Overflow; Minus	Overflow; Minus; Battery life
Registers	1 memory register	Not available	1 auto. accum. register	Not available
Item Counter Scientific Notation	Not available Not available	Not available 8 digit mantissa & 2 digit exponent	Not available 10 digit mantissa & 2 digit exponent	Not available Not available
POWER SUPPLY	AC, AA size (not incl.) & rech. bat.; 15 hrs. (AA) & 4-6 hrs. (rech.) compute time; 10-12 hrs. recharge time	AC & rech. bat.; 4-6 hrs. compute time; 3 hrs. recharge time; Battery life extender	AC & rech. bat.; 4-6 hrs. compute time; 3 hrs. recharge time; Battery life extender	AC, AA size & rech. bat.; 15 hrs. com- pute time; 16-24 hrs. recharge time
PHYSICAL FEATURES Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharger	1 3/4"x3"x5 1/2" 10 oz. Standard Not available Standard	1 1/2"x3"x6 1/4" 8 oz. Standard Not available Standard	1 1/4"x3 3/4"x5 3/4" 8 oz. Standard Not available Standard	1 1/2"x4"x7" 1 lb. Standard Standard Standard
GENERAL INFORMATION Date Introduced Pricing	January 1974 \$79.95	Nov.'72(10); Sep.'73(11) \$74.95—SR-10 \$89.95—SR-11	January 1974 \$149.95	— \$99.95
Warranty	1 year parts & labor**	1 year parts & labor*	1 year parts & labor*	1-year parts & 3 months labor*
COMMENTS	*W. auto constant; ** Thru dealer or 1 mfg. service center	*Thru dealer or 1 mfg. service center	* Thru 1 mfg. service center	* Thru 6 mfg. service centers

Electronic Calculators—Hand Held Models

COMPANY	Toshiba	Toshiba	Unitrex	Unitrex
<b>MODEL</b>	BC-0808B	BC-0811B	Mini 8	80 KF
<b>APPLICATION AREA</b>	General calc.	General calc.	General calc.	General calc.
<b>DISPLAY</b> Type Color Characters Displayed Character Size & Position	Fluorescent Green 8 characters ¼" high; Not magnified & Tilted	Fluorescent Green 8 characters ¼" high; Not magnified & Tilted	LED Red 8 characters 1/8" high; Magnified & Flat	Gas discharge Red-orange 8 characters ¼" high; Not magnified & Flat
<b>KEYBOARD</b> Size Of Keys Keyboard Layout	3/8"x3/8" CE; C	3/8"x3/8" C; CM; RM; Σ; %	½"x¼" C; CE; K; EX	½" diameter C; CE; K; EX
<b>SPECIAL FEATURES</b> Logic Decimal System	Algebraic* Floating; 7 digit	Algebraic* Fixed & Floating; 7 digits; Round off	Arithmetic Fixed & Floating; 7 digits; Round off	Arithmetic Floating; 7 digits
<b>Indicators</b>	Overflow; Minus	Overflow; Minus; Memory; Battery life	Overflow; Minus	Overflow; Minus
<b>Registers</b>	Not available	1 auto. accum. register	Not available	Not available
<b>Item Counter</b> <b>Scientific Notation</b>	Not available Not available	Not available Not available	Not available Not available	Not available Not available
<b>POWER SUPPLY</b>	AC & AA size bat.; 15 hrs. compute time	AC, AA size & rech. bat.; 15 hrs. compute time; 18-24 hrs. re-charge time	9 volt bat.; 30 hrs. compute time	AC & AA size bat.; 15-17 hrs. compute time
<b>PHYSICAL FEATURES</b> Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharger	2"x3¼"x5½" 11 oz. Standard Standard Standard	1½"x4"x6¼" 14 oz. Standard Standard Standard	¾"x2¼"x4¾" 8 oz. — Standard Not available	1½"x3½"x6½" 12 oz. Standard Not available Standard
<b>GENERAL INFORMATION</b> Date Introduced Pricing	April 1974 \$59.95	— \$114.00	— \$39.00	— \$59.00
<b>Warranty</b>	1 year parts & 3 months labor**	1 year parts & 3 months labor**	1 year parts & labor*	1 year parts & labor*
<b>COMMENTS</b>	*W. auto constant; **Thru 6 mfg. service centers	*W. auto constant; **Thru 6 mfg. service centers	*Exchangeable thru dealer or retail outlet	*Exchangeable thru dealer or retail outlet

Electronic Calculators—Hand Held Models

COMPANY	Unitrex	Unitrex	Unitrex	Unitrex
<b>MODEL</b>	80M	80SR	121M	122
<b>APPLICATION AREA</b>	General calc.	Scientific-Eng.	General calc.	General calc.
<b>DISPLAY</b> Type Color Characters Displayed Character Size & Position	LED Red 8 characters 1/8" high; Magnified & Flat	LED Red 8 characters 1/8" high; Magnified & Flat	LED Red 8 characters 1/8" high; Magnified & Flat	LED Red 12 characters 1/8" high; Magnified & Flat
<b>KEYBOARD</b> Size Of Keys Keyboard Layout	3/8"x1/4" C; CM; RM; Acc; %	5/16"x1/4" C; CM; MR; M+; +/-; X↔M; X↔Y; X <sup>Y</sup> ; 1/x; √x; π; e <sup>x</sup> ; Log; Ln; Sin; Cos; Tan; Sin <sup>-1</sup> ; Cos <sup>-1</sup> ; Tan <sup>-1</sup> ; Deg; Rad	5/16"x1/4" C; CA; CM; M+; M-; A; +/-; X↔Y; %	5/16"x5/16" C; CE
<b>SPECIAL FEATURES</b> Logic Decimal System	Algebraic* Fixed & Floating; Add mode; 7 digits; Round off	Algebraic* Floating; 7 digits	Algebraic* Fixed & Floating; Add mode; 7 digits; Round off	Arithmetic Fixed & Floating; 11 digits; Round off
<b>Indicators</b>	Overflow; Minus; Memory	Overflow; Minus	Overflow; Minus	Overflow; Minus; Low battery
<b>Registers</b>	1 auto. accum. register	1 memory register	1 memory register	Not available
<b>Item Counter</b> <b>Scientific Notation</b>	Not available Not available	Not available Not available	Not available Not available	Not available Not available
<b>POWER SUPPLY</b>	AC & 9 volt bat.; 30 hrs. compute time	AC & AA size bat.; 15-17 hrs. compute time	AC & AA size bat.; 15-17 hrs. compute time	AC & 9 volt bat.; 30 hrs. compute time; Battery life extender
<b>PHYSICAL FEATURES</b> Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharger	3/4"x2 1/4"x4 1/4" 8 oz. Standard Not available Standard	3/4"x3"x5 1/4" 8 oz. Standard Standard Standard	3/4"x3"x5 1/4" 8 oz. Standard Standard Standard	3/4"x2 1/4"x5" 8 oz. Standard Standard Optional
<b>GENERAL INFORMATION</b> Date Introduced Pricing	— \$49.00	— \$149.00	— \$79.00	— \$59.00
<b>Warranty</b>	1 year parts & labor**	1 year parts & labor**	1 year parts & labor**	1 year parts & labor*
<b>COMMENTS</b>	*W. auto constant; **Exchangeable thru dealer or retail outlet	*W. auto constant; **Exchangeable thru dealer or retail outlet	*W. auto constant; **Exchangeable thru dealer or retail outlet	*Exchangeable thru dealer or retail outlet

Electronic Calculators—Hand Held Models

COMPANY	Unitrex	Ventron	Ventron	Ventron
MODEL	800 MR	VT-600	VT-800M	VT-888
APPLICATION AREA	General calc.	General calc.	General calc.	General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	Fluorescent Green 8 characters ¼" high; Not magnified & Flat	Gas discharge Red-orange 6 characters* 3/8" high; Not magnified & Flat	Fluorescent Green 8 characters 3/8" high; Not magnified & Tilted	Fluorescent Green 8 characters 3/8" high; Not magnified & Tilted
KEYBOARD Size Of Keys Keyboard Layout	½"x¼" C; MC/MR; M=; √; %; +/-	½"x¼" C; Dsp shift	7/16"x7/16" C; CE; M; T; %	7/16"x7/16" C; CE; M in; M out; EX; K
SPECIAL FEATURES Logic Decimal System	Algebraic* Floating; 7 digits	Arithmetic Fixed or no dec.; 4 digits; Round off	Algebraic* Fixed & Floating; 7 digits; Round off	Arithmetic Fixed & Floating; 7 digits; Round off
Indicators	Overflow; Minus	Overflow; Minus	Overflow; Minus; Low battery	Overflow; Minus
Registers	1 auto. accum. register	Not available	1 auto. accum. register	1 storage register
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
POWER SUPPLY	AC & AA size bat.; 15-17 hrs. compute time	AC & AA size bat.; 10-15 hrs. compute time	AC & rech. bat.; 10-15 hrs. compute time; 6 hrs. recharge time	AC & AA size bat.; 10-15 hrs. compute time
PHYSICAL FEATURES Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharger	1¼"x4"x7" 1 lb. Standard Standard Optional	1½"x3¾"x6¼" 1 lb. Optional Not available Optional	1¼"x6½"x3" 10 oz. Standard Not available Standard	1¼"x6½"x3¼" 11 oz. Standard Not available Standard
GENERAL INFORMATION Date Introduced Pricing	— \$69.00	— \$39.95	March 1974 \$79.95	— \$59.95
Warranty	1 year parts & labor**	1 year parts & labor**	1 year parts & labor**	1 year parts & labor*
COMMENTS	*W. auto constant; **Exchangeable thru dealer or retail outlet	*12 characters thru multiple displays; *Exchangeable thru 1 mfg. service center	*W. auto constant; **Exchangeable thru 1 mfg. service center	*Exchangeable thru 1 mfg. service center

Electronic Calculators—Hand Held Models

COMPANY	Ventron	Victor	Victor	Victor
MODEL	VT-1200C	Tallymate	Vic	MEC 224 & MEC 225
APPLICATION AREA	Metric conv.	General calc.	General calc.	General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	LED Red 12 characters 1/8" high; Magnified & Tilted	Fluorescent Blue-green 8 characters 1/4" high; Not magnified & Tilted	LED Red 8 characters 1/8" high; Not magnified & Tilted	Gas discharge Amber 12 characters 1/4" high; Not magnified & Tilted
KEYBOARD Size Of Keys Keyboard Layout	3/8" diameter C; CE; & 32 US↔Metric conversions	1/2"x1/2" CE; CA; K	7/16"x7/16" C; K	3/8" diameter C; CA; %; DS; (MEC 225): MC/MR; M+; M-
SPECIAL FEATURES Logic Decimal System	Arithmetic Fixed; 4 digits; Round off	Arithmetic Fixed & Floating; 7 digits; Round off	Algebraic Floating; 7 digits	Algebraic* Fixed & Floating; 11 digits; Round off
Indicators	Minus	Overflow; Minus; Battery life	Overflow; Minus	Overflow; Minus; Comma
Registers	Not available	Not available	Not available	1 mem. reg.—MEC 225
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
POWER SUPPLY	AC & AA size bat.; 10-15 hrs. compute time	AC, AA size & rech. bat.; 3 hrs. (AA) & 6 hrs. rech.) compute time; 3-12 hrs. recharge time	AC & AA size bat.; 10 hrs. compute time	AC & rech. bat.; 6 hrs. compute time; 3-12 hrs. recharge time
PHYSICAL FEATURES Dimensions (HxWxD) Weight Carrying Case Strap Or Handle AC Adapter/Recharger	1 1/4"x3 3/4"x6 1/2" 1 lb. Standard Not available Standard	2"x3 3/4"x8 1/4" 1 1/4 lbs. Standard Not available Standard	1"x3"x6 1/4" — Standard* Not available Standard	2"x4"x8" 1 1/4 lbs. Standard** Not available Std. (rech.); Opt. (Adap)
GENERAL INFORMATION Date Introduced Pricing	— \$89.95	— \$99.50	— \$49.95	— \$199.00—224 \$219.00—225
Warranty	1 year parts & labor*	1 year parts & labor*	90 days parts & labor**	1 year parts & labor***
COMMENTS	* Exchangeable thru 1 mfg. service center	* Thru 850 mfg. service centers	* Snap-on cover doubles as cradle for desk top use; ** Thru 850 mfg. service centers	* W. auto constant; ** Snap-on cover double as cradle for desk top use; *** Thru 850 mfg. service centers



## Electronic Calculators—Desk Top Models

### LEGEND FOR CHART ENTRIES

- A (AM, T,  $\Sigma$ ) – automatically accumulate results following (=) into memory,  
 AC (CA) – clear all,  
 AM (A, T,  $\Sigma$ ) – automatically accumulate results following (=) into memory,  
 C (CLR) – clear entry/clear all; clear all,  
 CA (AC) – clear all,  
 CD – clear display,  
 CE (CL) – clear entry; correct entry,  
 CE/C – clear entry/clear all,  
 CF – clear function,  
 CK (KBCL) – clear keyboard,  
 CL (CE) – clear entry; correct entry,  
 CLR (C) – clear entry/clear all; clear all,  
 CM (MC) – clear memory register,  
 CS (+/–, SC, (–)) – change sign of display,  
 D (DR) – recall display (on ECAL's with display blanking),  
 DR (D) – recall display (on ECAL's with display blanking),  
 DS – used to select number of decimal positions in answer,  
 EE (EXP, EEX) – enter exponent for scientific notation,  
 EEX (EE, EXP) – enter exponent for scientific notation,  
 EX (RV, X $\leftrightarrow$ Y) – exchange factors in multiplication or division problem,  
 EXP (EE, EEX) – enter exponent for scientific notation,  
 GT – grand total,  
 ISt (RM, MR, MSt, M out) – recall contents of memory register to display or printout  
 IT (MT) – recall and clear contents of memory register,  
 I+ (M+) – add to contents of memory register,  
 I– (M–) – subtract from contents of memory register,  
 K – constant,  
 KBCL (CK) – clear keyboard,  
 M (M $\uparrow$ ) – store in memory/recall from memory,  
 MC (CM) – clear memory register,  
 ME (M in, MS, M=) – store in memory,  
 M in (MS, M=, ME) – store in memory,  
 M out (RM, MR, MSt, ISt) – recall contents of memory register to display or printout  
 MR (RM, MSt, ISt, M out) – recall contents of memory register to display or printout,  
 MR/C – recall contents of memory register/clear contents of memory register,  
 MS (M in, M=, ME) – store in memory,  
 MSt (RM, MR, ISt, M out) – recall contents of memory register to display or printout,  
 MT (IT) – recall and clear contents of memory register,  
 M+ (I+) – add to contents of memory register,  
 M+= – complete calculation and add result to contents of memory register,  
 M– (I–) – subtract from contents of memory register,  
 M–= – complete calculation and subtract result from contents of memory register,  
 M $\uparrow$  (M) – store in memory/recall from memory,  
 M= (M in, MS, ME) – store in memory,  
 N – count number of calculations performed,  
 RM (MR, MSt, ISt, M out) – recall contents of memory register to display or printout,  
 RV (EX, X $\leftrightarrow$ Y) – exchange factors in multiplication or division problem,  
 SC (+/–, CS, (–)) – change sign of display,  
 ST ( $\diamond$ ) – subtotal,  
 Sum Op – automatically add first factors in a sequence of multiplication or division problems  
 T (A, AM,  $\Sigma$ ) – automatically accumulate results following (=) into memory,  
 Tot (\*) – total  
 X $\rightarrow$ M – move contents of display (x-register) to memory,  
 X $\leftrightarrow$ M – exchange contents of display (x-register) with contents of memory,  
 X $\leftrightarrow$ Y (EX, RV) – exchange factors in multiplication or division problems,  
 $\Sigma$  (A, AM, T) – automatically accumulate results following (=) into memory,  
 +/- (CS, SC, (–)) – change sign of display,  
 (–) (CS, SC, +/-) – change sign of display,  
 $\rightarrow$  – shift display one position to the right truncating the right most digit,  
 $\diamond$  (St) – subtotal,  
 (\*) (Tot) – total,  
 # – non add

Electronic Calculators—Desk Top Models

COMPANY	APF	APF	Adler	Adler
<b>MODEL</b>	Mark 11	Mark 12	805N & 805N AD	815N & 815N AD
<b>TYPE</b>				
Output	Display only	Display only	Display only	Display only
Application Area	General calc.	General calc.	General calc.	General calc.
<b>DISPLAY</b>				
Type	Fluorescent	Gas discharge	Fluorescent	Fluorescent
Color	Blue-green	Amber	Green	Green
Characters Displayed	8 characters	12 characters	8 characters	8 characters
Character Size & Position	¼" high & Tilted	5/16" high & Tilted	½" high & Tilted	¼" high & Tilted
<b>PRINTOUT</b>				
Type	Not available	Not available	Not available	Not available
Characters Per Line	Not available	Not available	Not available	Not available
Paper Tape Width	Not available	Not available	Not available	Not available
Two Color Print	Not available	Not available	Not available	Not available
Non-Add Key	Not available	Not available	Not available	Not available
<b>KEYBOARD</b>				
Type	Not applicable	Not applicable	Not applicable	Not applicable
Keyboard Layout	CE/C; CM; M+; M-; MR; %; EX	CE; C; CM; M+; M-; MR	CI; CA; K	CI; CA; CM; M+; M out; K; %; A (switch)
<b>SPECIAL FEATURES</b>				
Logic	Algebraic*	Arithmetic	Arithmetic	Arithmetic
Decimal System	Floating; 7 digits	Fixed; 5 digits	Floating; 7 digits	Fixed & Floating; 7 digits; Round off; Round up; Truncate
Indicators	Overflow; Minus; Memory	Overflow; Minus	Overflow; Minus;	Overflow; Minus; Memory; Low battery
Registers	1 memory register	1 memory register	Not available	1 memory register
Item Counter	Not available	Not available	Not available	Not available
Scientific Notation	Not available	Not available	Not available	Not available
<b>PHYSICAL FEATURES</b>				
Dimensions (HxWxD)	2½"x4¼"x7¼"	3½"x6"x9½"	2½"x7"x9½"	2½"x7"x9½"
Weight	2 lbs.	3 lbs.	2½ lbs.	2½ lbs.
Other	—	—	805N—AC only; 805N AD-AC & rech.	815N—AC only; 815N AD-AC & rech.
<b>GENERAL INFORMATION</b>				
Date Introduced	—	—	—	—
Pricing	\$79.95	\$69.95	\$79.95—805N \$99.00—805N AD	\$124.95—815N \$149.00—815N AD
Warranty	1 year parts & labor**	1 year parts & labor*	1 year parts & labor*	1 year parts & labor*
<b>COMMENTS</b>	*W. auto constant; **Thru 3 mfg. service centers	*Thru 3 mfg. service centers	*Thru 1,000 dealer service centers	*Thru 1,000 dealer service centers



Electronic Calculators—Desk Top Models

COMPANY	Adler	Adler	Adler	Adler
<b>MODEL</b>	1205 & 1215	1215S	120P	1204P & 1214P
<b>TYPE</b> Output Application Area	Display only General calc.	Display only General calc.	Printout only General calc.	Printout only General calc.
<b>DISPLAY</b> Type Color Characters Displayed Character Size & Position	Fluorescent Green 12 characters ½" high & Tilted	Fluorescent Green 12 characters ½" high & Tilted	Not available Not available Not available Not available	Not available Not available Not available Not available
<b>PRINTOUT</b> Type Characters Per Line Paper Tape Width	Not available Not available Not available	Not available Not available Not available	Impact; Solid characters 12 characters 2¼" standard tape	Impact; Solid characters 12 characters 2¼" standard tape; W. advance key
<b>Two Color Print Non-Add Key</b>	Not available Not available	Not available Not available	Standard Standard	Standard Standard
<b>KEYBOARD</b> Type Keyboard Layout	Not applicable Cl; CA; CM; M+; M-; M out; K; %; A (switch)	Not applicable Cl; CA; CM; M+; M-; M out; K; %; A (switch); √	Buffered; W. roll over indexing CE; C; K; * =; ◇ =;	Buffered C; ISt; IT; I+ =; I- =; (-); EX; K; %; A; * -; ◇ =; #
<b>SPECIAL FEATURES</b> Logic Decimal System	Arithmetic Fixed & Floating; 11 digits; Round off; Round up; Truncate	Arithmetic Fixed & Floating; 11 digits; Round off; Round up; Truncate	Arithmetic Fixed & Floating; Add mode; 11 digits; Round off	Arithmetic Fixed & Floating; Add mode; Flexi- mode; 11 digits; Round off; Truncate
<b>Indicators</b>	Overflow; Minus; Memory	Overflow; Minus; Memory	Overflow; Minus	Overflow; Minus; Memory
<b>Registers</b>	1 memory register	1 memory register	Not available	1 memory register
<b>Item Counter Scientific Notation</b>	Not available Not available	Not available Not available	Not available Not available	Not available Not available
<b>PHYSICAL FEATURES</b> Dimensions (HxWxD) Weight Other	2½"x7"x9½" 2½ lbs. 1205 = 1215 wo. memory	2½"x7"x9½" 2½ lbs. —	3½"x7½"x11¼" — —	3¾"x9"x13½" 13 lbs. 1204P = 1214P wo. memory
<b>GENERAL INFORMATION</b> Date Introduced Pricing Warranty	— \$129.50—1205 \$149.00—1215 1 year parts & labor*	— \$179.50 1 year parts & labor*	— \$249.00 1 year parts & labor**	— \$349.00—1204P \$395.00—1214P 1 year parts & labor*
<b>COMMENTS</b>	*Thru 1,000 dealer service centers	*Thru 1,000 dealer service centers	*W. auto motor turn off; **Thru 1,000 dealer service centers	*Thru 1,000 dealer service centers

Electronic Calculators—Desk Top Units

COMPANY	Adler	Adler	Brother	Burroughs
<b>MODEL</b>	1215P	1414P	612P The Comptroller	C2155
<b>TYPE</b> Output Application Area	Printout only General calc.	Printout only General calc.	Printout only General calc.	Printout only General calc.
<b>DISPLAY</b> Type Color Characters Displayed Character Size & Position	Not available Not available Not available Not available	Not available Not available Not available Not available	Not available Not available Not available Not available	Not available Not available Not available Not available
<b>PRINTOUT</b> Type Characters Per Line Paper Tape Width	Impact; Solid characters* 12 characters 2½" standard tape	Impact; Solid characters 14 characters 2½" standard tape	Impact; Solid characters 12 characters 2½" standard tape; W. advance key	Impact; Solid characters 14 characters 2½" standard tape; W. advance key
<b>Two Color Print Non-Add Key</b>	Standard Standard	Standard Standard	Not available* Standard	Standard Not available
<b>KEYBOARD</b> Type Keyboard Layout	Buffered; W. roll over indexing CE; C; IST; IT; I+=; I-=; A; EX; (-); K; * =; ◇ =;	Buffered C; IST; IT; I+=; I-=; A; EX; (-); K; %; * =; ◇ =; #	— C; CI; CM; RM; M+; M-; M+, M- M+=; M-=; RC; 00; #	Buffered; W. roll over indexing C; K; %; DS; (*); ◇
<b>SPECIAL FEATURES</b> Logic Decimal System	Arithmetic Fixed & Floating; Add mode; 11 digits; Round off; Truncate	Arithmetic Fixed & Floating; Add mode; Flexi mode; 13 digits; Round off; Round up	Arithmetic** Fixed & Floating; 11 digits; Round off; Truncate	Arithmetic* Fixed & Floating; Add mode; 13 digits; Round off
<b>Indicators</b>	Overflow; Minus; Comma**; Memory	Overflow; Minus; Comma*; Memory	Overflow; Minus; Memory	Overflow; Minus
<b>Registers</b>	1 memory register	1 memory register	1 memory register	Not available
<b>Item Counter Scientific Notation</b>	Not available Not available	Not available Not available	Not available Not available	Not available Not available
<b>PHYSICAL FEATURES</b> Dimensions (HxWxD) Weight Other	4"x9½"x13" 10 lbs. —	3¾"x9"x13½" 12 lbs. —	4"x9"x11" 10-1/3 lbs. —	4½"x10½"x13" 11½ lbs. Carrying case is optional
<b>GENERAL INFORMATION</b> Date Introduced Pricing	— \$475.00	— \$450.00	January 1974 \$279.95	April 1974 \$469.00
<b>Warranty</b>	1 year parts & labor***	1 year parts & labor**	1 year parts & labor***	1 year parts & 3 months labor**
<b>COMMENTS</b>	*W. auto motor turn off; **Triplet spacing; ***Thru 1,000 dealer service centers	*Triplet spacing; **Thru 1,000 dealer service centers	*Uses ink roll system; **W. auto constant; ***Thru dealer or 4 service centers	*W. auto square root; **Thru 200 mfg. service centers

Electronic Calculators—Desk Top Models

COMPANY	Burroughs	Burroughs	Burroughs	Burroughs
<b>MODEL</b>	C2217	C2315	C5155	C5255
<b>TYPE</b> Output Application Area	Printout only General calc.	Printout only General calc.	Display only General calc.	Display only General calc.
<b>DISPLAY</b> Type Color Characters Displayed Character Size & Position	Not available Not available Not available Not available	Not available Not available Not available Not available	Gas discharge Red-orange 10 characters 2/5" high & Tilted	Gas discharge Red-orange 10 characters 2/5" high & Tilted
<b>PRINTOUT</b> Type Characters Per Line Paper Tape Width	Impact; Solid characters 14 characters 2 1/4" standard tape; W. advance key	Impact; Solid characters 14 characters 2 1/4" standard tape; W. advance key	Not available Not available	Not available Not available
<b>Two Color Print Non-Add Key</b>	Standard Not available	Standard Not available	Not available Not available	Not available Not available
<b>KEYBOARD</b> Type Keyboard Layout	Buffered; W. roll over indexing C; MS+; MT; M+; M-; K; DS; %; +/-; (*); ◇	Buffered; W. roll over indexing C; MS+; MT; M+; M-; MS+; MT; M+; M-; K; DS; %; +/-; (*); ◇	Not applicable C; K	Not applicable C; K; MS+; MT; M+; M-
<b>SPECIAL FEATURES</b> Logic Decimal System	Arithmetic* Fixed & Floating; Add mode; 13 digits; Round off	Arithmetic* Fixed & Floating; Add mode; 13 digits; Round off	Arithmetic Fixed & Floating; 9 digits; Round off	Arithmetic Fixed & Floating; 13 digits; Round off
<b>Indicators</b>	Overflow; Minus	Overflow; Minus; Comma	Overflow; Minus; Comma*	Overflow; Minus; Comma*
<b>Registers</b>	1 memory register	2 memory registers	Not available	1 memory register
<b>Item Counter Scientific Notation</b>	Not available Not available	Not available Not available	Not available Not available	Not available Not available
<b>PHYSICAL FEATURES</b> Dimensions (HxWxD) Weight Other	4 1/2" x 10 1/2" x 13" 11 1/4 lbs. Carrying case is optional	4 1/2" x 10 1/2" x 13" 11 1/4 lbs. Carrying case is optional	4" x 8" x 11 1/4" 6 1/4 lbs. Carrying case is optional	4" x 8" x 11 1/4" 6 1/4 lbs. Carrying case is optional
<b>GENERAL INFORMATION</b> Date Introduced Pricing	June 1974 \$595.00	June 1974 \$705.00	July 1972 \$275.00	July 1972 \$345.00
<b>Warranty</b>	1 year parts & 3 months labor**	1 year parts & 3 months labor**	1 year parts & 3 months labor**	1 year parts & 3 months labor**
<b>COMMENTS</b>	*W. auto square root; **Thru 300 mfg. service centers	*W. auto square root; **Thru 300 mfg. service centers	*Moveable plastic pointers; **Thru 300 mfg. service centers	*Moveable plastic pointers; **Thru 300 mfg. service centers

Electronic Calculators—Desk Top Models

COMPANY	Burroughs	Burroughs	Burroughs	Burroughs
<b>MODEL</b>	C5205	C5305	C6201	C6202
<b>TYPE</b>				
Output	Display only	Display only	Printout only	Printout only
Application Area	General calc.	General calc.	Business	Business
<b>DISPLAY</b>				
Type	Gas discharge	Gas discharge	Not available	Not available
Color	Red-orange	Red-orange	Not available	Not available
Characters Displayed	14 characters	14 characters	Not available	Not available
Character Size & Position	2/5" high & Tilted	2/5" high & Tilted	Not available	Not available
<b>PRINTOUT</b>				
Type	Not available	Not available	Impact; Solid characters	Impact; Solid characters
Characters Per Line	Not available	Not available	14 characters	14 characters
Paper Tape Width	Not available	Not available	2 1/2" standard tape; W. advance key	2 1/2" standard tape; W. advance key
Two Color Print	Not available	Not available	Standard	Standard
Non-Add Key	Not available	Not available	Not available	Not available
<b>KEYBOARD</b>				
Type	Not applicable	Not applicable	Buffered; W. roll over indexing	Buffered; W. roll over indexing
Keyboard Layout	C; CD; MSt; MT; M+; M-; DS; K; %; RC	C; CD; MSt; MT; M+; M-; MSt; MT; M+; M-; DS; K; %; RC	C; MSt; MT; M+; M-; Memory select; Memory print; %; K; (*); ◇; DS; Flabating decimal	C; MSt; MT; M+; M-; Memory select/Ln; Memory print/eX; %; K; (*); ◇; DS; Floating decimal
<b>SPECIAL FEATURES</b>				
Logic	Arithmetic	Arithmetic	Arithmetic*	Arithmetic*
Decimal System	Fixed & Floating; 13 digits; Round off	Fixed & Floating; 13 digits; Round off	Fixed & Floating; 13 digits; Round off	Fixed & Floating; 13 digits; Round off
<b>Indicators</b>	Overflow; Minus; Comma*; Memory	Overflow; Minus; Comma*; Memory	Overflow; Minus; Comma	Overflow; Minus; Comma
<b>Registers</b>	1 memory register	2 memory registers	5 memory registers	5 memory registers
Item Counter	Not available	Not available	Not available	Not available
Scientific Notation	Not available	Not available	Not available	Not available
<b>PHYSICAL FEATURES</b>				
Dimensions (HxWxD)	4"x8"x11 1/4"	4"x8"x11 1/4"	4 1/2"x10 1/2"x13"	4 1/2"x10 1/2"x13"
Weight	6% lbs.	6% lbs.	11% lbs.	11% lbs.
Other	Carrying case is optional	Carrying case is optional	Carrying case is optional	Carrying case is Optional
<b>GENERAL INFORMATION</b>				
Date Introduced	July 1972	July 1972	January 1971	January 1971
Pricing	\$450.00	\$520.00	\$730.00	\$830.00
<b>Warranty</b>	1 year parts & 3 months labor**	1 year parts & 3 months labor**	3 months parts & labor**	3 months parts & labor**
<b>COMMENTS</b>	*Moveable plastic pointers; **Thru 300 mfg. service centers	*Moveable plastic pointers; **Thru 300 mfg. service centers	*W. auto sq. rt., & 7 preprogrammed business applications (ROM); **Thru 300 mfg. service centers	*W. auto sq. rt.; & 9 preprogrammed business applications (ROM); **Thru 300 mfg. service centers; longer terms optional

Electronic Calculators—Desk Top Models

COMPANY	Burroughs	C.I. Business Machines	C.I. Business Machines	C.I. Business Machines
<b>MODEL</b>	C6203	CI50P	CI-100S	CI-150P
<b>TYPE</b> Output Application Area	Printout only Financial	Printout only General calc.	Printout only General calc.	Display & Printout General calc.
<b>DISPLAY</b> Type Color Characters Displayed Character Size & Position	Not available Not available Not available Not available	Not available Not available Not available Not available	Not available Not available Not available Not available	— — 12 characters —
<b>PRINTOUT</b> Type Characters Per Line Paper Tape Width	Impact; Solid characters 14 characters 2½" standard tape; W. advance key	Impact; Solid characters 12 characters 2¼" standard tape; W. advance key	Impact; Solid characters 12 characters 2½" standard tape; W. advance key	Impact; Solid characters 12 characters 2¼" standard tape; W. advance key
<b>Two Color Print Non-Add Key</b>	Standard Not available	Standard Standard	Standard Standard	Standard Standard
<b>KEYBOARD</b> Type Keyboard Layout	Buffered; W. roll over indexing C; MSt; MT; M+; M—; %; 12; ∑; K; DS; +/-; (*); ◇; Execute	Buffered; W. roll over indexing C; CE; K; EX; %; (*); ◇	Buffered; W. roll over indexing C; CE; CM; MR; M+; M—; %; EX; K	Buffered; W. roll over indexing C; CE; CM; MR; M+; M—; %; EX; K
<b>SPECIAL FEATURES</b> Logic Decimal System	Arithmetic* Fixed & Floating; 13 digits; Round off	Arithmetic Fixed & Floating; 8 digits; Round off; Round up	Arithmetic Fixed & Floating; Add mode; 8 digits; Round off; Round up	Arithmetic Fixed & Floating; 12 digits; Round off; Round up
<b>Indicators</b>	Overflow; Minus; Comma	Overflow; Minus; Comma	Overflow; Minus; Comma; Memory	Overflow; Minus; Comma; Memory
<b>Registers</b>	5 memory registers	Not available	1 memory register	1 memory register
<b>Item Counter Scientific Notation</b>	Not available Not available	Not available Not available	Not available Not available	Not available Not available
<b>PHYSICAL FEATURES</b> Dimensions (HxWxD) Weight Other	4½" x 10½" x 13" 11¼ lbs. Carrying case is optional	3¾" x 10" x 13" 8 lbs. Carrying case is optional	3¾" x 10" x 13" 8 lbs. Carrying case is optional	3¾" x 10" x 13" 8 lbs. Carrying case is optional
<b>GENERAL INFORMATION</b> Date Introduced Pricing	July 1973 \$885.00	— \$299.00	— \$399.00	— \$449.00
<b>Warranty</b>	3 months parts & labor**	1 year parts & 3 months labor*	1 year parts & 3 months labor*	1 year parts & 3 months labor*
<b>COMMENTS</b>	*W. auto sq. rt.; & 11 preprogrammed Finan- cial applications (ROM); ** Thru 300 mfg. service centers; Longer terms optional	* Thru 100 dealer & mfg. service centers	* Thru 100 dealer & mfg. service centers	* Thru 100 dealer & mfg. service centers

Electronic Calculators—Desk Top Models

COMPANY	Cannon	Canon	Canon	Canon
<b>MODEL</b>	Canola L802	Canola L810	Canola L1000	Canola L1210
<b>TYPE</b>				
Output	Display only	Display only	Display only	Display only
Application Area	General calc.	General calc.	General calc.	General calc.
<b>DISPLAY</b>				
Type	Gas discharge	Gas discharge	Gas discharge	Gas discharge
Color	Red-orange	Red-orange	Red-orange	Red-orange
Characters Displayed	8 characters	8 characters	10 characters	12 characters
Character Size & Position	3/8" high & Tilted	3/8" high & Tilted	1/2" high & Tilted	1/2" high & Tilted
<b>PRINTOUT</b>				
Type	Not available	Not available	Not available	Not available
Characters Per Line	Not available	Not available	Not available	Not available
Paper Tape Width	Not available	Not available	Not available	Not available
Two Color Print	Not available	Not available	Not available	Not available
Non-Add Key	Not available	Not available	Not available	Not available
<b>KEYBOARD</b>				
Type	Not applicable	Not applicable	Not applicable	Not applicable
Keyboard Layout	C; CI; K; %±	C; CI; T	C; CI; K; %±	C; CI; CM; RM; M+; M-; AM; √; %±; RV; Backspace
<b>SPECIAL FEATURES</b>				
Logic	Arithmetic	Algebraic*	Arithmetic	Arithmetic
Decimal System	Fixed & Floating; 7 digits; Round off	Fixed & Floating; 7 digits; Round off	Fixed & Floating; 9 digits; Round off	Fixed & Floating; 11 digits; Round off; Round up; Truncate
Indicators	Overflow; Minus	Overflow; Minus; Low battery	Overflow; Minus	Overflow; Minus; Comma; Memory
Registers	Not available	1 auto. accum. register	Not available	1 memory register
Item Counter	Not available	Not available	Not available	Not available
Scientific Notation	Not available	Not available	Not available	Not available
<b>PHYSICAL FEATURES</b>				
Dimensions (HxWxD)	2 1/2" x 6 1/2" x 8 1/2"	3" x 7 1/2" x 10"	2 1/2" x 6 1/2" x 8 1/2"	3" x 9 1/4" x 10 1/4"
Weight	3 lbs.	4 1/2 lbs.	2 1/2 lbs.	4 lbs.
Other	Carrying case is optional	Operates on AC & D size bat.	Carrying case is optional	Carrying case is optional
<b>GENERAL INFORMATION</b>				
Date Introduced	January 1974	May 1973	February 1974	February 1974
Pricing	\$99.95	\$99.95	\$139.00	\$279.00
Warranty	1 year parts & labor*	1 year parts & labor**	1 year parts & labor*	1 year parts & labor*
<b>COMMENTS</b>	*Thru 100 dealer & mfg. service centers	*W. auto constant; **Thru 100 dealer & mfg. service centers	*Thru 100 dealer & mfg. service centers	*Thru 100 dealer & mfg. service centers

Electronic Calculators—Desk Top Models

COMPANY	Canon	Canon	Canon	Canon
MODEL	Canola L1420	Canola L1630	Pocketronic	Canola MP 1000
TYPE Output Application Area	Display only General calc.	Display only General calc.	Printout only General calc.	Printout only General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	Gas discharge Red-orange 14 characters ½" high & Tilted	Gas discharge Red-orange 16 characters ½" high & Tilted	Not available Not available Not available Not available	Not available Not available Not available Not available
PRINTOUT Type	Not available	Not available	Thermal; Dot matrix characters	Impact; Solid characters*
Characters Per Line Paper Tape Width	Not available Not available	Not available Not available	12 characters ¼" W. x 262" L.; Heat sensitive paper*	10 characters 2¼" standard tape; W. advance key
Two Color Print Non-Add Key	Not available Not available	Not available Not available	Not available Not available	Standard Standard
KEYBOARD Type	Not applicable	Not applicable	—	Buffered
Keyboard Layout	C; CI; CM1; CM2; RM1; RM2; M1+; M2+; M1-; M2-; Item count 2; Sum operand 2; AM1; K1; K2; RV; Back- space; % ±	C; CI; CM1; CM2; RM1; RM2; RM3; M1+; M2+; M1-; M2-; Store pos. M3; Store neg. M3; K1; K2; AM1; Sum opd 2; Item count 3; Accum. variables, no. of var., & squares of var.; %±; √; RV; Back- space	C; CI	C; CE; #/◇ ; (*)
SPECIAL FEATURES Logic Decimal System	Arithmetic Fixed & Floating; 13 digits; Round off; Round up; Truncate	Arithmetic Fixed & Floating; 15 digits; Round off; Round up; Truncate	Arithmetic** Fixed; 4 digits	Arithmetic** Fixed & Floating; Add mode; 9 digits; Truncate
Indicators	Overflow; Minus; Comma; Memory 1 & 2	Overflow; Minus; Comma; Memory 1, 2, & 3	Overflow; Minus	Overflow; Minus; Comma
Registers	2 memory registers	2 memory registers 1 auto. accum. register	Not available	Not available
Item Counter Scientific Notation	Standard Not available	Standard Not available	Not available Not available	Not available Not available
PHYSICAL FEATURES Dimensions (HxWxD) Weight Other	3¾"x10¼"x11½" 5¾ lbs. Handle is std.; Case is optional.	3¾"x10¼"x11½" 6 lbs. Handle is std.; Case is opt.	2"x4"x8¼"*** 1½ lbs. Operates on AC & rech. bat.	3¾"x9¾"x11¼" 7¼ lbs. —
GENERAL INFORMATION Date Introduced Pricing	May 1973 \$495.00	April 1973 \$595.00	June 1971 \$149.95	June 1973 \$345.00
Warranty	1 year parts & labor*	1 year parts & labor*	1 year parts & labor****	1 year parts & labor***
COMMENTS	*Thru 100 dealer & mfg. service centers	*Thru 100 dealer & mfg. service centers	*Cassette loaded; **W. auto constant; ***Very close to hand held size & quite por- table; ****Thru 100 dealer & mfg. service centers	*W. auto motor turn off; **W. auto constant; ***Thru 100 dealer & mfg. service centers

Electronic Calculators—Desk Top Models

COMPANY	Canon	Canon	Canon	Canon
MODEL	Canola MP1214	Canola MP1216	Canola MP1420	Canola F-10
TYPE				
Output	Printout only	Display & Printout	Display & Printout	Display only
Application Area	General calc.	General calc.	General calc.	Scientific-Eng.
DISPLAY				
Type	Not available	LED	LED	Gas discharge
Color	Not available	Red	Red	Red-orange
Characters Displayed	Not available	12 characters	14 characters	12 characters
Character Size & Position	Not available	1/8" high & Tilted	1/8" high & Tilted	1/2" high & Tilted
PRINTOUT				
Type	Impact; Solid characters*	Impact; Solid characters*	Impact; Solid characters*	Not available
Characters Per Line	12 characters	12 characters	14 characters	Not available
Paper Tape Width	2 1/4" standard tape; W. advance key	2 1/4" standard tape; W. advance key	2 1/4" standard tape; W. advance key	Not available
Two Color Print	Standard	Standard	Standard	Not available
Non-Add Key	Standard	Standard	Standard	Not available
KEYBOARD				
Type	Buffered	Buffered	Buffered	Not applicable
Keyboard Layout	C; CE; MS+; MT; M+; M-; RV; K; %±; #; ◇; (*)	C; CE; MSt; MT; M+; M-; RV; K; %±; #; ◇; (*)	C; CE; M1St; M2St; M1T; M2T; M1+; M2+; M1-; M2-; AM1; Sum opd; K; RV; Backspace; √; %±; Sign chg; #; ◇; (*)	C; CI; CM; RM; M+; Sign Chg; RV; Backspace; Degrees↔Decimal; Deg; Rad; Rec; Pol; Sin; Cos; Tan; Arc; Ln; Log; √; cube rt.; a <sup>2</sup> ; a <sup>x</sup> ; e <sup>x</sup>
SPECIAL FEATURES				
Logic	Arithmetic	Arithmetic	Arithmetic	Algebraic*
Decimal System	Fixed & Floating; Add mode; 11 digits; Round off; Truncate	Fixed & Floating; Add mode; 11 digits; Round off; Truncate	Fixed & Floating; Add mode; Flexi-mode; 14 digits; Round off; Round up; Truncate	Fixed & Floating; Add mode; 11 digits; Round off; Round up; Truncate
Indicators	Overflow; Minus; Comma; Memory	Overflow; Minus; Comma; Memory	Overflow; Minus; Comma; Memory 1 & 2	Overflow; Minus; Comma; Memory
Registers	1 memory register	1 memory register	2 memory registers	1 memory register
Item Counter	Standard	Standard	Standard	Not available
Scientific Notation	Not available	Not available	Not available	Not available
PHYSICAL FEATURES				
Dimensions (HxVxD)	4 1/2"x10 1/2"x12 3/4"	4 1/2"x10 1/2"x12 3/4"	4 1/2"x10 1/2"x12 3/4"	3 3/4"x11 1/2"x10 1/4"
Weight	10 1/2 lbs.	10 1/2 lbs.	13 1/2 lbs.	5 1/2 lbs.
Other	Handle is std.; Case is opt.	Handle is std.; Case is opt.	Handle is std.; Case is opt.	Handle is std.
GENERAL INFORMATION				
Date Introduced	March 1974	May 1974	May 1974	—
Pricing	\$475.00	\$575.00	\$745.00	\$545.00
Warranty	1 year parts & labor**	1 year parts & labor**	1 year parts & labor**	1 year parts & labor**
COMMENTS	*W. auto motor turn off; **Thru 100 dealer & mfg. service centers	*W. auto motor turn off & non-print switch; **Thru 100 dealer & mfg. service centers	*W. auto motor turn off & non-print switch; **Thru 100 dealer & mfg. service centers	*W. auto constant; **Thru 100 dealer & mfg. service centers



Electronic Calculators—Desk Top Models

COMPANY	Canon	Canon	Casio	Casio
<b>MODEL</b>	Canola F-10P	Canola F-20P	101-L	121-E
<b>TYPE</b> Output Application Area	Display & Printout Scientific-Eng.	Printout only Statistical	Display only General calc.	Display only General calc.
<b>DISPLAY</b> Type Color Characters Displayed Character Size & Position	Gas discharge Red-orange 12 characters 1/2" high & Tilted	Not available Not available Not available Not available	Gas discharge Red 10 characters 3/8" high & Tilted	Fluorescent Green 12 characters 3/8" high & Tilted
<b>PRINTOUT</b> Type Characters Per Line Paper Tape Width Two Color Print Non-Add Key	Impact; Solid characters* 12 characters 2 1/4" standard tape; W. advance key Standard Standard	Impact; Solid characters* 12 characters 2 1/4" standard tape; W. advance key Standard Standard	Not available Not available Not available Not available	Not available Not available Not available Not available
<b>KEYBOARD</b> Type Keyboard Layout	— C; CI; CM; RM; M+; Sign chg; RV; Back- space; Deg.-min.-sec.→ Dec.; Deg; Rad; Rec.; Pol; Sin; Cos; Tan; Arc; Ln; Log; √; cube rt.; a <sup>2</sup> ; a <sup>x</sup> ; e <sup>x</sup> ; 1/x	Buffered C; CE; CA; Del; MT; MSt; M+; Log; Ln; e <sup>x</sup> ; a <sup>x</sup> ; 1/x; √; Sign chg; Max, Min, & Range; Mean; Sum- mation; Sample size & sum.; Var. & Std. dev.; Std. error; Normal dev.; Std. Normal Prob.; Linear Reg.; Cor. Coef.	Not applicable C; AC; T	Not applicable C; AC; M+; M-; T; %
<b>SPECIAL FEATURES</b> Logic Decimal System	Algebraic** Fixed & Floating; Add mode; 11 digits; Round off; Round up; Truncate	Arithmetic** Fixed & Floating; 11 digits; Round off; Truncate	Arithmetic* Floating; 9 digits	Arithmetic* Fixed & Floating; 11 digits; Round off; Truncate
<b>Indicators</b>	Overflow; Minus; Comma; Memory	Overflow; Minus; Comma; Memory	Overflow; Minus; Memory	Overflow; Minus
<b>Registers</b>	1 memory register	1 memory register	1 auto. accum. register	1 memory register
<b>Item Counter</b> Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
<b>PHYSICAL FEATURES</b> Dimensions (HxWxD) Weight Other	4 1/2" x 10 1/2" x 13" 10-1/3 lbs. Handle is std.	4 1/2" x 10 1/2" x 13" 10-1/3 lbs. Handle is std.	2 1/2" x 7" x 8" 3 lbs. —	2 1/2" x 7" x 8" 3 lbs. —
<b>GENERAL INFORMATION</b> Date Introduced Pricing	— \$695.00	February 1974 \$895.00	October 1973 \$139.50	January 1974 \$144.95
<b>Warranty</b>	1 year parts & labor***	1 year parts & labor***	1 year parts & labor**	1 year parts & labor**
<b>COMMENTS</b>	*W. non-print switch; **W. auto constant; ***Thru 100 dealer & mfg. service centers	*W. auto motor turn off & non-print switch; **W. auto constant; ***Thru 100 dealer & mfg. service centers	*Constant set by de- pressing func. key twice; **Thru 4 mfg. service centers	*Constant set by de- pressing func. key twice; **Thru 4 mfg. service centers

Electronic Calculators—Desk Top Models

COMPANY	Casio	Casio	Casio	Casio
<b>MODEL</b>	121-U	ASP	R-11	R-12
<b>TYPE</b> Output Application Area	Display only General calc.	Printout only General calc.	Display & Printout General calc.	Printout only General calc.
<b>DISPLAY</b> Type Color Characters Displayed Character Size & Position	Fluorescent Green 12 characters 3/8" high & Tilted	Not available Not available Not available Not available	Gas discharge Orange 12 characters 1/4" high & Flat	Not available Not available Not available Not available
<b>PRINTOUT</b> Type Characters Per Line Paper Tape Width	Not available Not available Not available	Impact; Solid characters 8 characters 2 1/4" standard tape; W. advance key	Impact; Solid characters* 12 characters 2 1/4" standard tape; W. advance key	Impact; Solid characters* 12 characters 2 1/4" standard tape; W. advance key
<b>Two Color Print</b> Non-Add Key	Not available Not available	Not available* Standard	Standard Not available	Standard Standard
<b>KEYBOARD</b> Type Keyboard Layout	Not applicable C; AC; MC; MR; M+; M-; Σ; K; %; X↔Y	Buffered C; AC; #; Total; Grand total	Buffered C; AC; MR; M+; M-; %; Total; Grand Total	Buffered C; AC; MC; MR; M+; M-; %; K; #; Subtotal; Total; 00
<b>SPECIAL FEATURES</b> Logic Decimal System	Arithmetic Fixed & Floating; 11 digits; Round off; Truncate	Arithmetic** Fixed & Floating; Add mode; 7 digits; Round off; Truncate	Arithmetic** Fixed & Floating; Add mode; 11 digits; Round off Truncate	Arithmetic Fixed & Floating; Add mode; 11 digits; Round off; Truncate
<b>Indicators</b>	Overflow; Minus; Comma*	Overflow; Minus	Overflow; Minus; Comma***	Overflow; Minus; Comma
<b>Registers</b>	1 memory register	Not available	1 memory register	1 memory register
<b>Item Counter</b> Scientific Notation	Not available Not available	Not available Not available	Standard Not available	Standard Not available
<b>PHYSICAL FEATURES</b> Dimensions (HxWxD) Weight Other	2"x6 1/4"x3 1/2" 2-1/3 lbs. AC & bat. power; Adapt. & case incl.	4 1/2"x10"x10" 10 lbs. —	4"x10"x13 1/2" 11 lbs. —	4 1/4"x9 1/2"x12" 10 lbs. —
<b>GENERAL INFORMATION</b> Date Introduced Pricing	June 1974 \$139.50	February 1974 \$199.95	October 1973 \$499.50	June 1974 \$299.50
<b>Warranty</b>	1 year parts & labor**	1 year parts & labor***	1 year parts & labor****	1 year parts & labor**
<b>COMMENTS</b>	*Moveable, plastic pointers; **Thru 4 mfg. service centers	*Ink roll system; **Constant set by de- pressing func. key twice; ***Thru 4 mfg. service centers	*W. non-print switch; **Constant set by de- pressing func. key twice; ***Moveable plastic pointers; ****Thru 4 mfg. ser- vice centers	*W. auto motor turn off; **Thru 4 mfg. service centers

Electronic Calculators—Desk Top Models

COMPANY	Colex	Colex	Commodore	Commodore
MODEL	122B	1216P	US-1M	US-12 & US-14
TYPE Output Application Area	Display only General calc.	Printout only General calc.	Display only General calc.	Display only General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	Gas discharge Amber 12 characters 3/8" high & Tilted	Not available Not available Not available Not available	Gas discharge Amber 8 characters 3/8" high & Tilted	Gas discharge Amber 12 (US-12); 14 (US-14) 3/8" high & Tilted
PRINTOUT Type	Not available	Impact; solid characters*	Not available	Not available
Characters Per Line Paper Tape Width	Not available Not available	12 characters 2 1/4" standard tape; W. advance key	Not available Not available	Not available Not available
Two Color Print Non-Add Key	Not available Not available	Standard Not available	Not available Not available	Not available Not available
KEYBOARD Type	Not applicable	—	Not applicable	Not applicable
Keyboard Layout	C; CM; RM; M+; M-; M+=; M-=; RV; %	C; CE; CM; RM; M+; M-; RV; %; Subtotal; Total	C; M+; MT; +/-; K	C; CE; CM; RM; M+; M-; Σ; %; K; EX
SPECIAL FEATURES Logic Decimal System	Arithmetic* Fixed & Floating; Add mode; 11 digits; Round up	Arithmetic** Fixed & Floating; Add mode; 11 digits; Round off	Algebraic Floating; 7 digits	Arithmetic Fixed & Floating; 11 digits US-12) & 13 digits (US-14); Round off; Round up; Truncate
Indicators	Overflow; Minus; Memory	Overflow; Minus; Memory	Overflow; Minus	Overflow; Minus; Comma*; Memory
Registers	1 memory register	1 memory register	1 memory register	1 memory register
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
PHYSICAL FEATURES Dimensions (HxWxD) Weight Other	3"x8 3/4"x10" 3 1/2 lbs. —	4"x10 1/2"x11" 8 lbs. —	2 1/4"x5"x9" 3 lbs. —	3"x11 1/2"x8" 4 lbs. —
GENERAL INFORMATION Date Introduced Pricing	January 1974 \$119.95	January 1974 \$299.95	— \$54.95	— \$99.95—US-12 \$129.95—US-14
Warranty	1 year parts & 6 months labor** *W. auto constant; **Thru 3 mfg. service centers	1 year parts & 6 months labor*** *W. auto motor turn off; **W. auto constant; ***Thru 3 mfg. service centers	6 months parts & labor* *Thru 1 mfg. service center	6 months parts & labor** *Moveable, plastic pointers; **Thru 1 mfg. service center
COMMENTS				

Electronic Calculators—Desk Top Models

COMPANY	Commodore	Commodore	Commodore	Commodore
MODEL	US-121 P	US-150P	US-151P	US-152P
TYPE Output Application Area	Printout only General calc.	Printout only General calc.	Printout only General calc.	Printout only General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	Not available Not available Not available Not available	Not available Not available Not available Not available	Not available Not available Not available Not available	Not available Not available Not available Not available
PRINTOUT Type Characters Per Line Paper Tape Width	Impact; Solid characters 12 characters 2½" standard tape; W. advance key	Impact; Solid characters 15 characters 2½" standard tape; W. advance key	Impact; Solid; characters 15 characters 2½" standard tape; W. advance key	Impact; Solid; characters 15 characters 2½" standard tape; W. advance key
Two Color Print Non-Add Key	Standard Standard	Standard Standard	Standard Standard	Standard Standard
KEYBOARD Type Keyboard Layout	— C; CE; CM; RM; M+; M-; EX	Buffered; W. roll over indexing CE; √; %; K; #; ◇; (*)	Buffered; W. roll over indexing CE; √; %; K; #; ◇; (*); ! St; IT; I+; I-	Buffered; W. roll over indexing CE; √; %; K; #; ◇; (*); ! St; IT; I+; I-; !! St; !! T; !! +; !! -
SPECIAL FEATURES Logic Decimal System	Arithmetic* Fixed & Floating; 11 digits; Round off; Truncate	Arithmetic Fixed & Floating; Add mode; 14 digits; Round off; Round up; Truncate	Arithmetic Fixed & Floating; Add mode; 14 digits; Round off; Round up; Truncate	Arithmetic Fixed & Floating; Add mode; 14 digits; Round off; Round up; Truncate
Indicators	Overflow; Minus; Memory	Overflow; Minus	Overflow; Minus; Memory	Overflow; Minus; Memory 1 & 2
Registers	1 memory register	Not available	1 memory register	2 memory registers
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
PHYSICAL FEATURES Dimensions (HxWxD) Weight Other	4½"x11½"x8" 5 lbs. —	4½"x11"x11" 7-2/3 lbs. —	4½"x11"x11" 7-2/3 lbs. —	4½"x11"x11" 7-2/3 lbs. —
GENERAL INFORMATION Date Introduced Pricing	— \$199.95	July 1974 —	July 1974 —	July 1974 —
Warranty	6 months parts & labor**	1 year parts & labor*	1 year parts & labor*	1 year parts & labor*
COMMENTS	*W. auto constant; **Thru 1 mfg. service center	*Thru 2 mfg. service centers	*Thru 2 mfg. service centers	*Thru 2 mfg. service centers

Electronic Calculators—Desk Top Models

COMPANY	Compucorp*	Corvus	Corvus	Deltak
<b>MODEL</b>	360 & 360/65 Bond Trader	300	305	12 GT
<b>TYPE</b> Output Application Area	Display only Stock market	Display only General calc.	Display only General calc.*	Display only General calc.
<b>DISPLAY</b> Type Color Characters Displayed Character Size & Position	Gas discharge Red-orange 12 characters ¼" high & Tilted	Gas discharge Red-orange 10 characters 2/5" high & Tilted	Gas discharge Red-orange 10 characters 2/5" high & Tilted	Gas discharge Red-orange 12 characters 2/5" high & Tilted
<b>PRINTOUT</b> Type	Not available	Not available	Not available	Not available
<b>Characters Per Line</b> <b>Paper Tape Width</b>	Not available Not available	Not available Not available	Not available Not available	Not available Not available
<b>Two Color Print</b> <b>Non-Add Key</b>	Not available Not available	Not available Not available	Not available Not available	Not available Not available
<b>KEYBOARD</b> Type	Not applicable	Not applicable	Not applicable	Not applicable
<b>Keyboard Layout</b>	C; MSt; MT; M+; Chg sign; Display; Crnt yield; Avg life; To yield; To price; Call price; Call/beg date; Mgt/end date; Issue date; Acrd int.; Prin; Semi-annual— annual; Cap gains rate; Income tax rate & Others	C; CE; %; $\sqrt{x}$ ; 1/x	C; CE; %; $\sqrt{x}$ ; 1/x	C; GT; Acc.
<b>SPECIAL FEATURES</b> Logic Decimal System	Algebraic** Fixed & Floating; 11 digits; Round off	Algebraic* Fixed & Floating; 9 digits; Round up	Algebraic* Fixed & Floating; 9 digits; Round up	Arithmetic* Fixed & Floating; 11 digits; Round off; Truncate
<b>Indicators</b>	Overflow; Minus	Overflow; Minus	Overflow; Minus	Overflow; Minus; Comma**
<b>Registers</b>	1 memory register	Not available	Not available	1 auto. accum. register
<b>Item Counter</b> <b>Scientific Notation</b>	Not available Not available	Not available Not available	Not available Not available	Not available Not available
<b>PHYSICAL FEATURES</b> Dimensions (HxWxD) Weight Other	2" x 5½" x 9" 3½ lbs. Operates on AC & rech. bat.	2¼" x 6¼" x 8½" 2½ lbs. —	2¼" x 6¼" x 8½" 2½ lbs. —	4" x 10" x 11" 6 lbs. —
<b>GENERAL INFORMATION</b> Date Introduced Pricing	March 1973 \$995.00—360*** \$1,195.00—360/65	June 1973 \$84.95	June 1973 \$99.95	November 1971 \$169.50
<b>Warranty</b>	3 months parts & labor****	1 year parts & labor**	1 year parts & labor***	3 months parts & 30 days labor****
<b>COMMENTS</b>	*Marketed by Monroe in U.S. & Canada; **W. auto constant; ***360 does muni bonds only; 360/65 does muni, corp, & govt; ****Thru 26 dealer & mfg. service centers	*W. auto constant; **Thru 2 mfg. service centers	*W. digital clock & calendar; **W. auto constant; ***Thru 2 mfg. service centers	*W. auto constant; **Moveable plastic pointers; ***Thru 1 mfg. service center

Electronic Calculators—Desk Top Models

COMPANY	Facit-Addo	Facit-Addo	Facit-Addo	Facit-Addo
<b>MODEL</b>	Addo-x D4x	Addo-x D5x	Addo-x P14	Addo 9205
<b>TYPE</b> Output Application Area	Display only General calc.	Display only General calc.	Printout only General calc.	Printout only General calc.
<b>DISPLAY</b> Type Color Characters Displayed Character Size & Position	Gas discharge Red-orange 12 characters ½" high & Tilted	Gas discharge Red-orange 12 characters ½" high & Tilted	Not available Not available Not available Not available	Not available Not available Not available Not available
<b>PRINTOUT</b> Type	Not available	Not available	Impact; Solid characters*	Impact; Solid characters*
Characters Per Line Paper Tape Width	Not available Not available	Not available Not available	14 characters 2¼" standard tape; W. advance key	12 characters 2¼" standard tape; W. advance key
Two Color Print Non-Add Key	Not available Not available	Not available Not available	Standard Standard	Standard Standard
<b>KEYBOARD</b> Type	Not applicable	Not applicable	—	—
Keyboard Layout	C; CE; K; EX; %	C; CE; CM; RM; M+; M-; K; EX; %	C; CE; MSt; MT; M+=; M-; K; %; #; ◇; (* )	CE; MSt; MT; M+; M-; %+; %-; EX; #; ◇; (* )
<b>SPECIAL FEATURES</b> Logic Decimal System	Arithmetic Fixed & Floating; 11 digits; Round off; Round up; Truncate	Arithmetic Fixed & Floating; 11 digits; Round off; Round up; Truncate	Arithmetic Fixed & Floating; 13 digits; Round off	Arithmetic Fixed & Floating; Add mode; 11 digits; Round off
Indicators	Overflow; Minus	Overflow; Minus; Memory	Overflow; Minus; Memory	Overflow; Minus; Memory
Registers	Not available	1 memory register	1 memory register	1 memory register
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
<b>PHYSICAL FEATURES</b> Dimensions (HxWxD) Weight Other	3" x 7¼" x 10¼" — —	3" x 7¼" x 10¼" — —	4½" x 11" x 14" — —	5" x 9¼" x 13¼" — —
<b>GENERAL INFORMATION</b> Date Introduced Pricing	June 1973 —	June 1973 —	June 1972 —	February 1974 —
Warranty	Dealer option*	Dealer option*	Dealer option**	Dealer option**
<b>COMMENTS</b>	*Thru 600—1,000 dealer service centers	*Thru 600—1,000 dealer service centers	*W. auto motor turn off; **Thru 600— 1,000 dealer service centers	*W. auto motor turn off; **Thru 600— 1,000 dealer service centers

Electronic Calculators—Desk Top Models

COMPANY	Facit-Addo	Facit-Addo	Facit-Addo	Facit-Addo
<b>MODEL</b>	Addo 9212	Facit 1145	Facit 1175 B	Facit 1176
<b>TYPE</b> Output Application Area	Printout only General calc.	Printout only General calc.	Printout only General calc.	Printout only General calc.
<b>DISPLAY</b> Type Color Characters Displayed Character Size & Position	Not available Not available Not available Not available	Not available Not available Not available Not available	Not available Not available Not available Not available	Not available Not available Not available Not available
<b>PRINTOUT</b> Type Characters Per Line Paper Tape Width	Impact; Solid characters* 12 characters 2¼" standard tape; W. advance key	Impact; Solid characters* 10 characters 2¼" standard tape	Impact; Solid characters 14 characters 2¼" standard tape; W. advance key	Impact; Solid characters 12 characters 2¼" standard tape; W. advance key
<b>Two Color Print</b> <b>Non-Add Key</b>	Standard Standard	Not available** Not available	Standard Standard	Standard Standard
<b>KEYBOARD</b> Type Keyboard Layout	— C; CE; K; EX; #; ◇; (*)	Buffered C; Sum operand; K; ◇; (*)	Buffered C; CE; MSt; MT; M+; M-; EX; %; K; #; ◇; (*)	Buffered C; CE; MSt; MT; M+; M-; %+; %-; EX; K; #; ◇; (*)
<b>SPECIAL FEATURES</b> Logic Decimal System	Arithmetic Fixed & Floating; Add mode; 11 digits; Round off	Arithmetic Fixed & Floating; 9 digits; Round off	Arithmetic Fixed & Floating; Add mode; 13 digits; Round off	Arithmetic Fixed & Floating; Add mode; 11 digits; Round off
<b>Indicators</b>	Overflow; Minus; Comma	Overflow; Minus; Battery life	Overflow; Minus; Memory	Overflow; Minus; Memory
<b>Registers</b>	Not available	1 auto. accum. register	1 memory register	1 memory register
<b>Item Counter</b> <b>Scientific Notation</b>	Not available Not available	Not available Not available	Not available Not available	Not available Not available
<b>PHYSICAL FEATURES</b> Dimensions (HxWxD) Weight Other	4¾"x10¾"x14" — —	4¾"x7"x12½" 6½ lbs. Operates on AC & C size bat.; handle—std.	4¾"x10¾"x14" — —	5"x9¼"x13¼" — —
<b>GENERAL INFORMATION</b> Date Introduced Pricing	February 1974 —	September 1973 —	September 1973 —	February 1974 —
<b>Warranty</b>	Dealer option**	Dealer option***	Dealer option*	Dealer option*
<b>COMMENTS</b>	*W. auto motor turn off; **Thru 600— 1,000 dealer service centers	*W. auto motor turn off; **Uses ink roll system; ***Thru 600— 1,000 dealer service centers	*Thru 600—1,000 dealer service centers	*Thru 600—1,000 dealer service centers

Electronic Calculators—Desk Top Models

COMPANY	Facit-Addo	Facit-Addo	Facit-Addo	G.W. Industries
<b>MODEL</b>	Facit 1177	Facit 1183	Facit 1185	Minipet 10
<b>TYPE</b>	Printout only	Display only	Display only	Display only
<b>Output</b>	General calc.	General calc.	General calc.	General calc.
<b>Application Area</b>				
<b>DISPLAY</b>				
<b>Type</b>	Not available	Gas discharge	Gas discharge	Fluorescent
<b>Color</b>	Not available	Red-orange	Red-orange	Green
<b>Characters Displayed</b>	Not available	12 characters	12 characters	10 characters
<b>Character Size &amp; Position</b>	Not available	½" high & Tilted	½" high & Tilted	¼" high & Tilted
<b>PRINTOUT</b>				
<b>Type</b>	Impact; Solid characters	Not available	Not available	Not available
<b>Characters Per Line</b>	12 characters	Not available	Not available	Not available
<b>Paper Tape Width</b>	2¼" standard tape; W. advance key	Not available	Not available	Not available
<b>Two Color Print</b>	Standard	Not available	Not available	Not available
<b>Non-Add Key</b>	Standard	Not available	Not available	Not available
<b>KEYBOARD</b>				
<b>Type</b>	Buffered	Not applicable	Not applicable	Not applicable
<b>Keyboard Layout</b>	C; CE; K; EX; #; ◊; (*)	C; CE; K; EX; %	C; CE; CM; RM; M+; M-; K; EX; %	C; CE; K; %; EX; +/-
<b>SPECIAL FEATURES</b>				
<b>Logic</b>	Arithmetic	Arithmetic	Arithmetic	Arithmetic
<b>Decimal System</b>	Fixed & Floating; Add mode; 11 digits; Round off	Fixed & Floating; 11 digits; Round off; Round up; Truncate	Fixed & Floating; 11 digits; Round off; Round up; Truncate	Fixed & Floating; 7 digits; Round off
<b>Indicators</b>	Overflow; Minus; Comma	Overflow; Minus	Overflow; Minus; Memory	Overflow; Minus
<b>Registers</b>	Not available	Not available	1 memory register	Not available
<b>Item Counter</b>	Not available	Not available	Not available	Not available
<b>Scientific Notation</b>	Not available	Not available	Not available	Not available
<b>PHYSICAL FEATURES</b>				
<b>Dimensions (HxWxD)</b>	4¾"x10¾"x14"	3"x7¾"x10¼"	3"x7¾"x10¼"	2"x5"x8"
<b>Weight</b>	—	—	—	2 lbs.
<b>Other</b>	—	—	—	—
<b>GENERAL INFORMATION</b>				
<b>Date Introduced</b>	February 1974	June 1973	June 1973	March 1974
<b>Pricing</b>	—	—	—	\$79.95
<b>Warranty</b>	Dealer option**	Dealer option*	Dealer option*	1 year parts & labor*
<b>COMMENTS</b>	*W. auto motor turn off; **Thru 600—1,000 dealer service centers	*Thru 600—1,000 dealer service centers	*Thru 600—1,000 dealer service centers	*Thru 2 mfg. service centers



Electronic Calculators—Desk Top Models

COMPANY	G.W. Industries	G.W. Industries	Hermes	Hermes
<b>MODEL</b>	MD-12M	Core 141 PM	100 D	12-U
<b>TYPE</b>				
Output	Display only	Printout only	Display only	Display only
Application Area	General calc.	General calc.	General calc.	General calc.
<b>DISPLAY</b>				
Type	Fluorescent	Not available	Fluorescent	Gas discharge
Color	Green	Not available	Green	Amber
Characters Displayed	12 characters	Not available	10 characters	12 characters
Character Size & Position	¼" high & Tilted	Not available	¼" high & Tilted	¼" high & Tilted
<b>PRINTOUT</b>				
Type	Not available	Impact; Solid characters	Not available	Not available
Characters Per Line	Not available	14 characters	Not available	Not available
Paper Tape Width	Not available	2¼" standard tape; W. advance key	Not available	Not available
<b>Two Color Print</b>	Not available	Standard	Not available	Not available
<b>Non-Add Key</b>	Not available	Standard	Not available	Not available
<b>KEYBOARD</b>				
Type	Not applicable	Buffered	Not applicable	Not applicable
Keyboard Layout	C; CE; CM; RM; M+; M-; Acc; K; EX; %	CE; CM; RM; M+; M-; K; RV; %; +/-; #; ◇; (*)	C; CE; K; %	C; CE; CM; RM; M+; M-; %; EX; K
<b>SPECIAL FEATURES</b>				
Logic	Arithmetic	Arithmetic	Arithmetic	Arithmetic
Decimal System	Fixed & Floating; 11 digits; Round off; Round up; Truncate	Fixed & Floating; Add mode; 13 digits; Round off	Fixed & Floating; 9 digits; Round off; Truncate	Fixed & Floating; Add mode; 11 digits; Round off; Truncate
<b>Indicators</b>	Overflow; Minus; Memory	Overflow; Minus; Comma; Memory	Overflow; Minus	Overflow; Minus; Memory
<b>Registers</b>	1 memory register	1 memory register	Not available	1 memory register
<b>Item Counter</b>	Not available	Not available	Not available	Not available
<b>Scientific Notation</b>	Not available	Not available	Not available	Not available
<b>PHYSICAL FEATURES</b>				
Dimensions (HxWxD)	1½" x 5½" x 7"	4½" x 9½" x 13"	2½" x 6¼" x 8¾"	2½" x 6¼" x 8¾"
Weight	1 lb.	9 lbs.	2-2/3 lbs.	2¼ lbs.
Other	—	—	Carrying case is optional	Carrying case is optional
<b>GENERAL INFORMATION</b>				
Date Introduced	June 1973	February 1974	July 1973	July 1973
Pricing	\$99.50	\$299.95	\$99.95	\$139.95
<b>Warranty</b>	1 year parts & labor*	1 year parts & labor*	6 months parts & labor*	6 months parts & labor*
<b>COMMENTS</b>	*Thru 2 mfg. service centers	*Thru 2 mfg. service centers	*Thru 1600 dealer & mfg. service centers	*Thru 1600 dealer & mfg. service centers

Electronic Calculators—Desk Top Models

COMPANY	Hermes	Hermes	Hermes	Hermes
<b>MODEL</b>	220	222	224	226
<b>TYPE</b> Output Application Area	Printout only General calc.	Printout only General calc.	Printout only General calc.	Printout only General calc.
<b>DISPLAY</b> Type Color Characters Displayed Character Size & Position	Not available Not available Not available Not available	Not available Not available Not available Not available	Not available Not available Not available Not available	Not available Not available Not available Not available
<b>PRINTOUT</b> Type Characters Per Line Paper Tape Width	Impact; Solid characters* 12 characters — standard tape; W. advance key	Impact; Solid characters* 12 characters — standard tape; W. advance key	Impact; Solid characters* 12 characters — standard tape; W. advance key	Impact; Solid characters* 12 characters — standard tape; W. advance key
<b>Two Color Print Non-Add Key</b>	Standard** Standard	Standard** Standard	Standard** Standard	Standard** Standard
<b>KEYBOARD</b> Type Keyboard Layout	Buffered  C; EX; +/-; %; Neg. Acc.; Pos. Acc.; #; ◇; (*)	Buffered  C; EX; +/-; %; Neg. Acc.; Pos. Acc.; 00; 000; #; ◇; (*); GT	Buffered  C; MSt; MT; M+; M-; Pos. Acc.; Neg. Acc.; +/-; EX; %; #; ◇; (*)	Buffered  C; MSt; MT; M+; M-; Pos. Acc.; Neg. Acc.; Sum opd; +/-; EX; %; % chg; Amort; 00; 000; #; ◇; (*)
<b>SPECIAL FEATURES</b> Logic Decimal System	Arithmetic*** Fixed & Floating; Add mode; 11 digits; Round off	Arithmetic*** Fixed & Floating; Add mode; 11 digits; Round off	Arithmetic*** Fixed & Floating; Add mode; 11 digits; Round off	Arithmetic*** Fixed & Floating; Add mode; 11 digits; Round off
<b>Indicators</b>	Overflow; Minus	Overflow; Minus	Overflow; Minus; Memory	Overflow; Minus; Memory
<b>Registers</b>	1 auto. accum. register	1 auto. accum. register	1 memory register 1 auto. accum. register	1 memory register 1 auto.accum. register
<b>Item Counter Scientific Notation</b>	Not available Not available	Not available Not available	Standard Not available	Standard Not available
<b>PHYSICAL FEATURES</b> Dimensions (HxWxD) Weight Other	5"x9½"x14½" 11½ lbs. —	5"x9½"x14½" 11½ lbs. —	5"x9½"x14½" 11½ lbs. —	5"x9½"x14½" 11½ lbs. —
<b>GENERAL INFORMATION</b> Date Introduced Pricing	May 1974 \$445.00	May 1974 \$475.00	May 1974 \$545.00	May 1974 \$675.00
<b>Warranty</b>	1 year parts & labor****	1 year parts & labor****	1 year parts & labor****	1 year parts & labor****
<b>COMMENTS</b>	*W. auto motor turn off; **Cassette loading ribbon; ***W. auto constant; ****Thru 1600 dealer & mfg. service centers	*W. auto motor turn off; **Cassette loading ribbon; ***W. auto constant; ****Thru 1600 dealer & mfg. service centers	*W. auto motor turn off; **Cassette loading ribbon; ***W. auto constant; ****Thru 1600 dealer & mfg. service centers	*W. auto motor turn off; **Cassette loading ribbon; ***W. auto constant; ****Thru 1600 dealer & mfg. service centers

Electronic Calculators—Desk Top Models

COMPANY	Hermes	Hermes	Hewlett-Packard	Hewlett-Packard
MODEL	320	330 & 332	HP-46	HP-81
TYPE Output Application Area	Printout only General calc.	Display only General calc.	Display* & Printout Scientific-Eng.	Display & Printout Financial
DISPLAY Type Color Characters Displayed Character Size & Position	Not available Not available Not available Not available	Fluorescent Green 12 characters ¼" high & Tilted	LED Red 16 characters ¼" high & Tilted	LED Red 16 characters ¼" high & Tilted
PRINTOUT Type Characters Per Line Paper Tape Width	Impact; Solid characters* 12 characters — standard tape; W. advance key	Not available Not available Not available	Impact; Solid characters** 16 characters 2¼" standard tape; W. advance key	Impact; Solid characters* 16 characters 2¼" standard tape; W. advance key
Two Color Print Non-Add Key	Standard** Standard	Not available Not available	Standard Standard	Standard Standard
KEYBOARD Type Keyboard Layout	Buffered C; Pos Acc; Neg. Acc; %; 00; 000; #; ◇; (* )	Not applicable C; AC; +/-; %; (330): CM; RM; Pos. Acc.; Neg. Acc.	— CLR; CI X; Sto; Rcl; Ch sign; EE X; Sin; Cos; Tan; Sin <sup>-1</sup> ; Cos <sup>-1</sup> ; Tan <sup>-1</sup> ; Deg; Rad; Deg↔Rad; Pol↔Rec; Log; Ln; 1/x; 10 <sup>x</sup> ; e <sup>x</sup> ; y <sup>x</sup> ; X <sup>2</sup> ; √x; π; Σ +; Σ -; X↔Y; n!; %; Δ %; Std. dev.; Mean; Enter; Print; & Others	—** CLR; CI x; Sto; Rel; Chg. sign; Mean; Std. dev.; %; Δ %; PV; FV; Trend line; Day; Date; Int; Pmt; i; n; Bond; SOD; Σ +; Σ -; √x; y <sup>x</sup> ; X↔Y; & Others
SPECIAL FEATURES Logic Decimal System	Arithmetic*** Fixed & Floating; Add mode; 14 digits; Round off; Truncate	Arithmetic* Fixed & Floating; Add mode; 11 digits; Round off; Truncate	Reverse Polish Fixed & Floating; 10 digits; Round off	Reverse Polish Fixed & Floating; 10 digits; Round off
Indicators	Overflow; Minus	Overflow; Minus	Overflow; Minus	Overflow; Minus
Registers	1 auto. accum. register	1 auto. accum. register on 330 only	9 memory registers 1 auto. accum. register 1 storage register	1 auto. accum. register 2 storage registers
Item Counter Scientific Notation	Not available Not available	Not available Not available	Standard 10 digit mantissa & 2 digit exponent	Standard 10 digit mantissa & 2 digit exponent
PHYSICAL FEATURES Dimensions (HxWxD) Weight Other	5" x 10" x 13¼" 15 lbs. —	2¾" x 6½" x 9¾" 3 lbs. —	5½" x 11" x 15½" 13-1/3 lbs. Carrying case is std.	5½" x 11" x 15½" 13-1/3 lbs. Carrying case is std.
GENERAL INFORMATION Date Introduced Pricing	July 1973 \$595.00	July 1973 \$229.50—330 \$188.50—332	June 1973 \$715.00	September 1973 \$925.00
Warranty	1 year parts & labor****	1 year parts & labor**	1 year parts & labor***	1 year parts & labor***
COMMENTS	*W. auto motor turn off; **Cassette loading ribbon; ***W. auto constant; ****Thru 1600 dealer & mfg. service centers	*W. auto constant; ** Thru 1600 dealer & mfg. service centers	*Optional; W. display \$815.00; **W. non- print switch; *** Thru 50 mfg. service centers	*W. non-print switch; **64 keystroke buffer capacity opt. @ \$225.00; ***Thru 50 mfg. service centers

Electronic Calculators—Desk Top Models

COMPANY	Lloyd's	Lloyd's	Miida	Miida
<b>MODEL</b>	ED-6747	ED-7521	NC2001	MC3000
<b>TYPE</b> Output Application Area	Display only General calc.	Display only General calc.	Display only General calc.	Printout only General calc.
<b>DISPLAY</b> Type Color Characters Displayed Character Size & Position	LCD White 12 characters 2/5" high & Tilted	LCD White 8 characters 2/5" high & Tilted	Fluorescent Blue-green 12 characters ¼" high & Tilted	Not available Not available Not available Not available
<b>PRINTOUT</b> Type	Not available	Not available	Not available	Impact; Solid characters*
Characters Per Line Paper Tape Width	Not available Not available	Not available Not available	Not available Not available	10 characters 2½" standard tape; W. advance key
Two Color Print Non-Add Key	Not available Not available	Not available Not available	Not available Not available	Standard Standard
<b>KEYBOARD</b> Type	Not applicable	Not applicable	Not applicable	Buffered; W. roll over indexing
Keyboard Layout	C; MR; M+; +/-; %	C	C; CM; MR; M+; M-; %	CE; MSt; MT; M+=; M-=; K; %; #; ◇ ; (* )
<b>SPECIAL FEATURES</b> Logic Decimal System	Arithmetic* Fixed & Floating; Add mode; 11 digits; Round off; Truncate	Algebraic* Floating; 7 digits	Arithmetic Fixed & Floating; 11 digits; Round off	Arithmetic Fixed & Floating; Add mode; 9 digits; Round off; Truncate
Indicators	Overflow; Minus; Memory	Overflow; Minus	Overflow; Minus; Memory	Overflow; Minus; Comma; Memory
Registers	1 memory register	Not available	1 memory register	1 memory register
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
<b>PHYSICAL FEATURES</b> Dimensions (HxWxD) Weight Other	3½"x7½"x10¼" — —	2¼"x5¾"x9¼" — Carrying case is std.	2½"x6¾"x9" 3¼ lbs. Operates on AC & rech. bat.	3½"x9½"x12½" 8 lbs.
<b>GENERAL INFORMATION</b> Date Introduced Pricing	— \$149.95	— \$69.95	August 1974 —	— \$279.95
Warranty	1 year parts & labor**	1 year parts & labor**	—	6 months parts & labor**
<b>COMMENTS</b>	*W. auto constant; **Thru 6 mfg. service centers	*W. auto constant; **Thru 6 mfg. service centers		*W. auto motor turn off; **Thru 4 mfg. service centers

Electronic Calculators—Desk Top Models

COMPANY	Miida	Monroe	Monroe	Monroe
MODEL	1255P	415	425	430
TYPE				
Output	Printout only	Display only	Display only	Display only
Application Area	General calc.	General calc.	General calc.	General calc.
DISPLAY				
Type	Not available	Gas discharge	Gas discharge	Gas discharge
Color	Not available	Orange	Orange	Orange
Characters Displayed	Not available	12 characters	12 characters	14 characters
Character Size & Position	Not available	2/5" high & Tilted	2/5" high & Tilted	2/5" high & Tilted
PRINTOUT				
Type	Impact; Solid characters	Not available	Not available	Not available
Characters Per Line	12 characters	Not available	Not available	Not available
Paper Tape Width	2 1/4" standard tape; W. advance key	Not available	Not available	Not available
Two Color Print	Standard	Not available	Not available	Not available
Non-Add Key	Standard	Not available	Not available	Not available
KEYBOARD				
Type	Buffered; W. roll over indexing	Not applicable	Not applicable	Not applicable
Keyboard Layout	CE; MSt; MT; M+=; M-=; K; %; #; ◇; (*)	CE/C; %; ◇; (*)	CE/C; M+=; M-=; %; ◇; (*)	CE/C; ISt; IT; I+=; I-=; Σ; Chg sign; RV; K; %; ◇; (*)
SPECIAL FEATURES				
Logic	Arithmetic	Arithmetic*	Arithmetic*	Arithmetic
Decimal System	Fixed & Floating; Add mode; 11 digits; Round off; Truncate	Fixed & Floating; Add mode; 11 digits; Round off	Fixed & Floating; Add mode; 11 digits; Round off	Fixed & Floating; Add mode; 13 digits; Round off; Round up; Truncate
Indicators	Overflow; Minus; Memory	Overflow; Minus; Comma	Overflow; Minus; Comma; Memory	Overflow; Minus; Comma; Memory
Registers	1 memory register	Not available**	1 auto. accum. register*	1 memory register* 1 auto. accum. register
Item Counter	Not available	Not available	Not available	Not available
Scientific Notation	Not available	Not available	Not available	Not available
PHYSICAL FEATURES				
Dimensions (HxWxD)	4 1/2" x 9 1/2" x 12 1/4"	3 1/2" x 8 1/2" x 8"	3 1/2" x 8 1/2" x 8"	3 3/4" x 10 1/2" x 9"
Weight	9 lbs.	3 lbs.	3 lbs.	4 1/4 lbs.
Other	—	Carrying case is optional	Carrying case is optional	Carrying case is optional
GENERAL INFORMATION				
Date Introduced	—	May 1974	May 1974	May 1974
Pricing	—	\$210.00	\$255.00	\$365.00
Warranty	6 months parts & labor*	1 year parts & labor***	1 year parts & labor***	1 year parts & labor**
COMMENTS	*Thru 4 mfg. service centers	*W. auto constant; **Add reg. (+, -) & calc. reg. (X, +) operate independently; ***Thru 360 mfg. service centers	*W. auto constant; **Add reg. (+, -) & calc. reg. (X, +) operate independently; ***Thru 360 mfg. service centers	*Add reg. (+, -) & calc. reg. (X, +) operate independently; **Thru 360 mfg. service centers

Electronic Calculators—Hand Held Models

COMPANY	Monroe	Monroe	Monroe	Monroe
MODEL	1305	1310	1320	1330
TYPE Output Application Area	Printout only General calc.	Printout only General calc.	Printout only General calc.	Display & Printout General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	Not available Not available Not available Not available	Not available Not available Not available Not available	Not available Not available Not available Not available	LED Red 14 characters 1/8" high & Tilted
PRINTOUT Type Characters Per Line Paper Tape Width	Impact; Solid characters* 14 characters 2 1/4" standard tape; W. advance key	Impact; Solid characters* 14 characters 2 1/4" standard tape; W. advance key	Impact; Solid characters* 14 characters 2 1/4" standard tape; W. advance key	Impact; Solid characters* 14 characters 2 1/4" standard tape; W. advance key
Two Color Print Non-Add Key	Standard Not available	Standard Not available	Standard Not available	Standard Not available
KEYBOARD Type Keyboard Layout	Buffered; W. roll over indexing CE; C; $\diamond$ ; (*)	Buffered; W. roll over indexing CE; C; M+=; M-=; $\diamond$ ; (*)	Buffered; W. roll over indexing CE; C; M+=; M-=; RV; $\diamond$ ; (*); GT; plus . . . . . 1320-1 = %+; %-; $\Delta$ % 1320-2 = M in; M out 1320-3 = Per C; Per M 1320-4 = $\Delta$ %; %+; Mark up	Buffered; W. roll over indexing CE; C; M+=; M-=; RV; $\diamond$ ; (*); GT; plus . . . . . 1330-1 = %+; %-; $\Delta$ % 1330-2 = M in; M out 1330-3 = Per C; Per M 1330-4 = $\Delta$ %; %+; Mark up
SPECIAL FEATURES Logic Decimal System	Arithmetic** Fixed & Floating; Add mode; 13 digits; Round off	Arithmetic** Fixed & Floating; Add mode; 13 digits; Round off	Arithmetic** Fixed & Floating; Add mode; 13 digits; Round off; Truncate	Arithmetic** Fixed & Floating; Add mode; 13 digits; Round off; Truncate
Indicators	Overflow; Minus; Comma	Overflow; Minus; Comma	Overflow; Minus; Comma; Memory	Overflow; Minus; Comma; Memory
Registers	Not available	1 auto. accum. register	1 auto. accum. register	1 auto. accum. register
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
PHYSICAL FEATURES Dimensions (HxWxD) Weight Other	4 1/2"x10 1/2"x14" 12 lbs. Carrying case is optional	4 1/2"x10 1/2"x14" 12 lbs. Carrying case is optional	4 3/4"x12 1/4"x14 1/2" 12 lbs. Carrying case is optional	4 1/2"x12 1/4"x14 1/2" 12 lbs. Carrying case is optional
GENERAL INFORMATION Date Introduced Pricing	March 1973 \$395.00	October 1972 \$465.00	March 1972 \$495.00	March 1972 \$595.00
Warranty	1 year parts & labor***	1 year parts & labor***	1 year parts & labor***	1 year parts & labor***
COMMENTS	*W. auto motor turn off; **W. auto constant; ***Thru 360 mfg. service centers	*W. auto motor turn off; **W. auto constant; ***Thru 360 mfg. service centers	*W. auto motor turn off; **W. auto constant; ***Thru 360 mfg. service centers	*W. auto motor turn off; **W. auto constant; ***Thru 360 mfg. service centers

Electronic Calculators—Desk Top Models

COMPANY	Monroe	Monroe	Monroe	Monroe
MODEL	1340	1350	1920	1930
TYPE Output Application Area	Display & Printout General calc.	Display & Printout General calc.	Display only Scientific-Eng.	Display only Statistics
DISPLAY Type Color Characters Displayed Character Size & Position	LED Red 14 characters 1/8" high & Tilted	LED Red 14 characters 1/8" high & Tilted	Gas discharge Red-orange 10 characters 2/5" high & Tilted	Gas discharge Red-orange 10 characters 2/5" high & Tilted
PRINTOUT Type Characters Per Line Paper Tape Width	Impact; Solid characters* 14 characters 2 1/4" standard tape; W. advance key	Impact; Solid characters* 14 characters 2 1/4" standard tape; W. advance key	Not available Not available Not available	Not available Not available Not available
Two Color Print Non-Add Key	Standard Not available	Standard Not available	Not available Not available	Not available Not available
KEYBOARD Type Keyboard Layout	Buffered; W. roll over indexing CE; C; ISt; IT; I+=; I-=; M+=; M-=; Chg. sign; RV; $\Sigma$ x; $\diamond$ ; (*); plus . . . . . 1340-1 = %+; %-; $\Delta$ %; 1340-2 = $\sqrt{\quad}$ ; %+; %-; $\Delta$ %; 1340-3 = $\sqrt{\quad}$ ; 1340-4 = Per C; Per M 1340-5 = $\sqrt{\quad}$ ; M1 in; M1 out; **	Buffered; W. roll over indexing CE; C; ISt; II St; IT; II T; I+=; II+=; I-=; II-=; M+=; M-=; $\Sigma$ x; Chg. sign; RV; $\diamond$ ; (*); plus . . . . . 1350-1 = %+; %-; $\Delta$ %; 1350-2 = M in; M out; 1350-3 = XY; 1350-4 = Per C; Per M 1350-5 = %+; $\Delta$ %; Mark up	Not applicable C; CD; Acc M; Sto M; Rcl M; Sin; Cos; Tan; Inv.; Ln; a <sup>x</sup> ; 1/x; $\sqrt{x}$ ; [ ]; Deg; Rad; & Others	Not applicable C; CD; Acc M; Sto M; Rcl M; +/-; $\Sigma$ ; a <sup>x</sup> ; Yx; $\sqrt{x}$ ; e <sup>x</sup> ; Ln; Log; t-dep; t-indep; chi-sq. stat; permutations; comb; n!; Lin reg; Std dev; Mean & Others
SPECIAL FEATURES Logic Decimal System	Arithmetic*** Fixed & Floating; Add mode; 13 digits; Round off; Round up; Truncate (Mem. reg. & calc. reg. have ind. controls)	Arithmetic** Fixed & Floating; Add mode; 13 digits; Round off; Round up; Truncate (Mem. regs. & calc. reg. have ind. controls)	Algebraic Fixed & Floating; 10 digits; Round off; Truncate	Algebraic Fixed & Floating; Add mode; 10 digits; Round off; Truncate
Indicators	Overflow; Minus; Comma; Memory	Overflow; Minus; Comma; Memory	Overflow; Minus; Comma	Overflow; Minus; Comma
Registers	1 memory register 1 auto. accum. register	2 memory registers 1 auto. accum. register	10 memory registers 1 auto. accum. register	10 memory registers 1 auto. accum. register
Item Counter Scientific Notation	Not available Not available	Standard Not available	Standard 10 digit mantissa & 2 digit exponent	Standard 10 digit mantissa & 2 digit exponent
PHYSICAL FEATURES Dimensions (HxWxD) Weight Other	4 1/2" x 14 1/2" x 14 1/2" 13 1/2 lbs. Carrying case is optional	4 1/2" x 14 1/2" x 14 1/2" 13 1/2 lbs. Carrying case is optional	3 3/4" x 10 1/2" x 9" 5 lbs. Carrying case is optional	3 3/4" x 10 1/2" x 9" 5 lbs. Carrying case is optional
GENERAL INFORMATION Date Introduced Pricing Warranty	March 1972 \$695.00; \$620.00 w/o. dsp. 1 year parts & labor****	March 1972 \$745.00; \$670.00 w/o. dsp. 1 year parts & labor****	January 1974 \$595.00 1 year parts & labor*	February 1974 \$695.00 1 year parts & labor*
COMMENTS	*W. auto motor turn off; **1340-6 = M1 in; M1 out; M2 in; M2 out; 1340-7 = %+; $\Delta$ %; Mark up; ***W. auto con- stant; ****Thru 360 mfg. service centers	*W. auto motor turn off; **W. auto constant; ***Thru 360 mfg. ser- vice centers	*Thru 360 mfg. service centers	*Thru 360 mfg. service centers

Electronic Calculators—Desk Top Models

COMPANY	NCR	NCR	NCR	Olivetti
MODEL	18-24	18-31	18-32	Divisumma 18
TYPE Output Application Area	Display only General calc.	Printout only General calc.	Printout only General calc.	Printout only General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	Gas discharge Red 12 characters 3/8" high & Tilted	Not available Not available Not available Not available	Not available Not available Not available Not available	Not available Not available Not available Not available
PRINTOUT Type	Not available	Impact; Solid characters	Impact; Solid characters	Thermal; Dot matrix characters
Characters Per Line Paper Tape Width	Not available Not available	10 characters 2 1/2" standard tape; W. advance key	12 characters 2 1/2" standard tape; W. advance key	12 characters 2-3/8" heat sensitive paper
Two Color Print Non-Add Key	Not available Not available	Standard Standard	Standard Standard	Not available Standard
KEYBOARD Type	Not applicable	Buffered; W. roll over indexing	Buffered; W. roll over indexing	—*
Keyboard Layout	CE/C; CM; MR; M+; M-; %; +/-; EX	CE; CA; M+=; M-==; %; PR; St; Tot	CE; CA; M+=; M-==; %; PR; St; Tot	C; #; ◇; (*)
SPECIAL FEATURES Logic Decimal System	Arithmetic* Fixed & Floating; 11 digits; Round off	Arithmetic* Fixed & Floating; Add mode; 10 digits; Round off; Truncate	Arithmetic* Fixed & Floating; Add mode; 12 digits; Round off; Truncate	Arithmetic** Fixed; 4 digits
Indicators	Overflow; Minus; Memory	Overflow; Minus	Overflow; Minus	Overflow; Minus
Registers	1 memory register	1 auto. accum. register	1 auto. accum. register	Not available
Item Counter Scientific Notation	Standard Not available	Not available Not available	Not available Not available	Not available Not available
PHYSICAL FEATURES Dimensions (HxWxD) Weight Other	3"x7 1/2"x10" 3 lbs. Carrying case is optional	5 1/2"x10 1/4"x14 1/4" 13 lbs. Carrying case is optional	5 1/2"x10 1/4"x14 1/4" 13 lbs. Carrying case is optional	2"x9 1/2"x4 1/2"*** 2 lbs. Operates on AC & rech. bat.; case std.
GENERAL INFORMATION Date Introduced Pricing	August 1974 \$229.00	May 1974 \$349.00	June 1974 \$389.00	September 1973 \$239.00
Warranty	1 year parts & labor**	1 year parts & labor**	1 year parts & labor**	3 months parts & labor****
COMMENTS	*W. auto constant; **Thru 1,000 dealer & mfg. service centers	*W. auto constant; **Thru 1,000 dealer & mfg. service centers	*W. auto constant; **Thru 1,000 dealer & mfg. service centers	*Pressure-sensitive; **W. auto constant; ***Very close to hand held size & quite portable; ****Thru 1,400 dealer & mfg. service centers



Electronic Calculators—Desk Top Models

COMPANY	Olivetti	Olivetti	Olivetti	Olivetti
<b>MODEL</b>	Divisumma 28	Logos 55 & Logos 58	Logos 59 & Logos 68	560
<b>TYPE</b> Output Application Area	Printout only General calc.	Printout only General calc.	Printout only General calc.	Printout only General calc.
<b>DISPLAY</b> Type Color Characters Displayed Character Size & Position	Not available Not available Not available Not available	Not available Not available Not available Not available	Not available Not available Not available Not available	Not available Not available Not available Not available
<b>PRINTOUT</b> Type	Thermal; Dot matrix characters	Impact; Solid characters	Impact; Solid characters	Impact; Solid characters
Characters Per Line Paper Tape Width	12 characters 2-3/8" heat sensitive paper; W. advance key	16 characters 3" standard tape; W. advance key	16 characters 3" standard tape; W. advance key	16 characters 3" standard tape; W. advance key
Two Color Print Non-Add Key	Not available Standard	Not available Standard	Not available Standard	Not available Standard
<b>KEYBOARD</b> Type	—*	Buffered	Buffered	Buffered
Keyboard Layout	C; #; ◇; (*)	Kb Cl; Regs Cl; Acc. Prod; Pr Rem; K; 00; 000; #; ◇; (*); (Logos 58): %; Acc. Quot.	Kb Cl; Regs Cl; Acc. Prod; Acc. Quot.; MSt; MT; M+; M-; Pr. Rem; 00; 000; %; #; ◇; (*) (Logos 68): √; N <sup>2</sup>	Kb Cl; Regs Cl; Acc. Prod; Acc Quot; MSt; MT; M+; M-; Pr. Rem; 00; 000; %; #; ◇; (*)
<b>SPECIAL FEATURES</b> Logic Decimal System	Arithmetic** Fixed; 4 digits	Arithmetic Fixed & Floating; 7 digits; Round off; Round up	Arithmetic Fixed & Floating; 7 digits; Round off; Round up	Arithmetic Fixed & Floating; 7 digits; Round off; Round up
Indicators	Overflow; Minus	Overflow; Minus; Comma*	Overflow; Minus; Comma*	Overflow; Minus; Comma*
Registers	Not available	1 auto. accum. register	1 memory register 1 auto. accum. register	1 memory register 1 auto. accum. register
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
<b>PHYSICAL FEATURES</b> Dimensions (HxWxD) Weight Other	3½"x8"x9" 3¼ lbs. —	5"x16½"x9½" 15 lbs. Carrying case is optional	5"x16½"x9½" 15 lbs. Carrying case is optional	5"x16½"x9½" 15 lbs. Carrying case is optional
<b>GENERAL INFORMATION</b> Date Introduced Pricing	September 1973 \$199.50	June 1973 \$395.00—Logos 55 \$450.00—Logos 58	June 1973 \$495.00—Logos 59 \$595.00—Logos 68	May 1974 \$425.00
Warranty	3 months parts & labor***	3 months parts & labor**	3 months parts & labor**	3 months parts & labor**
<b>COMMENTS</b>	*Pressure-sensitive; **W. auto constant; ***Thru 1,400 dealer & mfg. service centers	*Triplet spacing; **Thru 1,400 dealer & mfg. service centers	*Triplet spacing; **Thru 1,400 dealer & mfg. service centers	*Triplet spacing; **Thru 1,400 dealer & mfg. service centers

Electronic Calculators—Desk Top Models

COMPANY	Olympia	Olympia	Olympia	Panasonic
<b>MODEL</b>	CP 141	CD 530	CP 550	JE-1001
<b>TYPE</b> Output Application Area	Printout only General calc.	Display only General calc.	Printout only General calc.	Display only General calc.
<b>DISPLAY</b> Type Color Characters Displayed Character Size & Position	Not available Not available Not available Not available	Gas discharge Red-orange 12 characters ½" high & Tilted	Not available Not available Not available Not available	Fluorescent Green 10 characters 5/16" high & Tilted
<b>PRINTOUT</b> Type Characters Per Line Paper Tape Width	Impact; Solid characters* 12 characters 2¼" standard tape; W. advance key	Not available Not available Not available	Impact; Solid characters 12 characters 2¼" standard tape; W. advance key	Not available Not available Not available
<b>Two Color Print</b> <b>Non-Add Key</b>	Standard Standard	Not available Not available	Standard Standard	Not available Not available
<b>KEYBOARD</b> Type Keyboard Layout	Buffered; W. roll over indexing C; CA; M St; MT; M+; M-; M+=; M-=; RC; %; #; ◇; (*)	Not applicable C; CA; CM; MR; M+; M-; M+=; M-=; EX; %	Buffered; W. roll over indexing CE; CA; M St; MT; M+; M-; RC; %; #; ◇; (*)	Not applicable C; CE; Rev
<b>SPECIAL FEATURES</b> Logic Decimal System	Arithmetic** Fixed & Floating; Add mode; 12 digits; Round off; Truncate	Arithmetic* Fixed & Floating; Add mode; 12 digits; Round off	Arithmetic* Fixed & Floating; Add mode; 12 digits; Round off; Truncate	Arithmetic* Fixed & Floating; 9 digits; Round off
<b>Indicators</b>	Overflow; Minus; Memory	Overflow; Minus; Memory	Overflow; Minus; Memory	Overflow; Minus; Low battery
<b>Registers</b>	1 memory register	1 memory register	1 memory register	Not available
<b>Item Counter</b> <b>Scientific Notation</b>	Not available Not available	Standard Not available	Not available Not available	Not available Not available
<b>PHYSICAL FEATURES</b> Dimensions (HxWxD) Weight Other	6"x11¼"x11½" 11½ lbs. Carrying case is optional	3"x10"x7½" 3 lbs. Carrying case is optional	4"x10½"x11" 7½ lbs. Carrying case is optional	2½"x7"x7¾" 2 lbs. Operates on AC & C size bat.
<b>GENERAL INFORMATION</b> Date Introduced Pricing	January 1974 \$445.00	June 1974 \$199.50	June 1974 \$345.00	September 1973 \$159.95
<b>Warranty</b>	1 year parts & labor***	1 year parts & labor**	1 year parts & labor**	1 year parts & labor**
<b>COMMENTS</b>	*W. auto motor turn off; **W. auto constant; ***Thru 1,000 dealer & & mfg. service centers	*W. auto constant; **Thru 1,000 dealer & mfg. service centers	*W. auto constant; **Thru 1,000 dealer & mfg. service centers	*W. auto constant; **Thru 23 mfg. service centers

Electronic Calculators—Desk Top Models

COMPANY	Panasonic	Panasonic	Ricoh	Ricoh
MODEL	JE-1212	JE-1215	1216	1217
TYPE Output Application Area	Display only General calc.	Display only General calc.	Display only General calc.	Display only General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	Fluorescent Green 12 characters 5/16" high & Tilted	Fluorescent Green 12 characters 5/16" high & Tilted	Fluorescent Green 12 characters 5/8" high & Tilted	Fluorescent Green 12 characters 5/8" high & Tilted
PRINTOUT Type	Not available	Not available	Not available	Not available
Characters Per Line Paper Tape Width	Not available Not available	Not available Not available	Not available Not available	Not available Not available
Two Color Print Non-Add Key	Not available Not available	Not available Not available	Not available Not available	Not available Not available
KEYBOARD Type	Not applicable	Not applicable	Not applicable	Not applicable
Keyboard Layout	CE; C; CM; RM; M+; M-; $\Sigma$ ; Rev; Backspace; %; $\sqrt{\quad}$	C; CM; MR; $\Sigma$ ; Rev; %	C; MC; MR; M+; M-; $\Sigma$ ; EX; +/-; %	C; MC; MR; M+; M-; $\Sigma$ ; EX; +/-; %
SPECIAL FEATURES Logic Decimal System	Arithmetic* Fixed & Floating; 11 digits; Round off; Round up; Truncate	Arithmetic* Fixed & Floating; Add mode; 11 digits; Round off;	Arithmetic* Fixed & Floating; 11 digits; Round off; Truncate	Arithmetic* Fixed & Floating; 11 digits; Round off; Truncate
Indicators	Overflow; Minus; Comma; Memory; Low battery	Overflow; Minus; Memory	Overflow; Minus; Memory	Overflow; Minus; Memory; Battery life
Registers	1 memory register	1 auto. accum. register	1 memory register	1 memory register
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
PHYSICAL FEATURES Dimensions (HxWxD) Weight Other	2 $\frac{3}{4}$ "x9"x9 $\frac{1}{4}$ " 4 $\frac{1}{2}$ lbs. Operates on AC & D size bat.	3"x7 $\frac{1}{2}$ "x8 $\frac{3}{4}$ " 2 $\frac{1}{2}$ lbs. —	2 $\frac{3}{4}$ "x8"x9 $\frac{1}{2}$ " 3 $\frac{1}{2}$ lbs. Carrying case is optional	2 $\frac{3}{4}$ "x8"x9 $\frac{1}{2}$ " 4 lbs. Operates on AC & rech. bat.
GENERAL INFORMATION Date Introduced Pricing	February 1974 \$249.95	February 1974 \$179.95	November 1973 \$199.00	November 1973 \$219.00
Warranty	1 year parts & labor**	1 year parts & labor**	1 year parts & labor**	1 year parts & labor**
COMMENTS	*W. auto constant; **Thru 23 mfg. service centers	*W. auto constant; **Thru 23 mfg. service centers	*Or algebraic-customer choice; W.auto constant; **Thru 6 mfg. service centers	*Or algebraic-customer choice; W. auto constant; **Thru 6 mfg. service centers

Electronic Calculators—Desk Top Models

COMPANY	Ricoh	Ricoh	Rockwell Int., Bus. Equip. Div.	Rockwell Int., Bus. Equip. Div.
<b>MODEL</b>	1221 P	1221 PD	500 P	500/P4 & 500/P6
<b>TYPE</b> Output Application Area	Printout only General calc.	Display & Printout General calc.	Printout only General calc.	Printout only Depends on keys
<b>DISPLAY</b> Type Color Characters Displayed Character Size & Position	Not available Not available Not available Not available	Fluorescent Green 12 characters 5/8" high & Tilted	Not available Not available Not available Not available	Not available Not available Not available Not available
<b>PRINTOUT</b> Type Characters Per Line Paper Tape Width	Impact; Solid characters* 12 characters 2-3/8" standard tape; W. advance key	Impact; Solid characters* 12 characters 2-3/8" standard tape; W. advance key	Impact; Solid characters* 14 characters 2-3/8" standard tape; W. advance key	Impact; Solid characters* 14 characters 2-3/8" standard tape; W. advance key
Two Color Print Non-Add Key	Standard Standard	Standard Standard	Standard* Standard	Standard** Standard
<b>KEYBOARD</b> Type Keyboard Layout	Buffered  C; MC/R; MR; M+; M-; Σ; EX; +/-; #: ◊; (*)	Buffered  C; MC/R; MR; M+; M-; Σ; EX; +/-; #: ◊; (*)	Buffered  C; MC/R; MR; M+; M-; M+=; M-=; N; EX; CS; DS; %; Aux; Tot	Buffered  Same as 500 P plus 4 or 6 of the following: Store in; Store out; Mark up; % chg; Mean/Std dev; Loan pay; Amor; Dep; Fund sched; Loan prof; Decl. Bal; X <sup>1</sup>
<b>SPECIAL FEATURES</b> Logic Decimal System	Arithmetic** Fixed & Floating; Add mode; 11 digits; Round off; Round up; Truncate	Arithmetic** Fixed & Floating; Add mode; 11 digits; Round off; Round up; Truncate	Arithmetic*** Fixed & Floating; Add mode; 13 digits; Round off; Truncate	Arithmetic*** Fixed & Floating; Add mode; 13 digits; Round off; Truncate
Indicators	Overflow; Minus; Comma; Memory	Overflow; Minus; Comma; Memory	Overflow; Minus	Overflow; Minus
Registers	1 memory register	1 memory register	1 memory register 1 auto. accum. register	1 memory register 1 auto. accum. register 1 storage reg.—opt. Standard Not available
Item Counter Scientific Notation	Not available Not available	Not available Not available	Standard Not available	Standard Not available
<b>PHYSICAL FEATURES</b> Dimensions (HxWxD) Weight Other	4"x9 1/2"x12" 9 1/2 lbs. Carrying case is optional	4"x9 1/2"x12" 9 1/2 lbs. Carrying case is optional	4"x10"x13" 13 1/2 lbs. —	4 1/2"x10 1/2"x13" 13 1/2 lbs. —
<b>GENERAL INFORMATION</b> Date Introduced Pricing	November 1973 \$349.00	November 1973 \$459.00	January 1973 \$595.00	September 1973 \$795.00—500/P4 \$845.00—500/P6
Warranty	1 year parts & labor***	1 year parts & labor***	1 year parts & labor****	1 year parts & labor****
<b>COMMENTS</b>	*W. auto motor turn off; **W. auto constant; ***Thru 6 mfg. service centers	*W. auto motor turn off & non-print switch; **W. auto constant; ***Thru 6 mfg. service centers	*W. auto motor turn off; **Cartridge loaded rib- bon; ***W. auto con- stant; ****Thru 32 mfg. service centers	*W. auto motor turn off; **Cartridge loaded rib- bon; ***W. auto con- stant; ****Thru 32 mfg. service centers

Electronic Calculators—Desk Top Models

COMPANY	Rockwell Int., Bus. Equip. Div.	Rockwell Int., Bus. Equip. Div.	Rockwell Int., Bus. Equip. Div.	Rockwell Int., Bus. Equip. Div.
MODEL	501 P	805	1000 P & 1001 P	1010 P & 1011 P
TYPE Output Application Area	Printout only General calc.	Display only General calc.	Printout only General calc.	Printout only General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	Not available Not available Not available Not available	Gas discharge Orange 8 characters ¼" high & Tilted	Not available Not available Not available Not available	Not available Not available Not available Not available
PRINTOUT Type Characters Per Line Paper Tape Width	Impact; Solid characters* 14 characters 2¼" standard tape; W. advance key	Not available Not available Not available	Impact; Solid characters* 10 characters 2¼" standard tape; W. advance key	Impact; Solid characters* 10 characters 2¼" standard tape; W. advance key
Two Color Print Non-Add Key	Standard** Standard	Not available Not available	Standard Standard	Standard Standard
KEYBOARD Type Keyboard Layout	Buffered C; MC/R; MR; M+; M-; M+=; M-=; EX; CS; DS; %; Tot	Not applicable C; CM; RM; A; %	Buffered C; #; ◊; (*)	Buffered C; Σ; +/-; EX; #; ◊; (*)
SPECIAL FEATURES Logic Decimal System	Arithmetic*** Fixed & Floating; Add mode; 13 digits; Round off; Truncate	Arithmetic* Fixed & Floating; Add mode; 7 digits; Round off	Arithmetic** Fixed & Floating; 9 digits; Truncate	Arithmetic** Fixed & Floating; 9 digits; Truncate
Indicators	Overflow; Minus	Overflow; Minus; Memory	Overflow; Minus	Overflow; Minus
Registers	1 memory register 1 auto. accum. register	1 auto. accum. register	Not available	1 auto. accum. register
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
PHYSICAL FEATURES Dimensions (HxWxD) Weight Other	4¼"x10¼"x13" 13½ lbs. —	2¼"x5¼"x7" 2 lbs. —	4"x9"x11½" 10 lbs. —	4"x9"x11½" 10 lbs. —
GENERAL INFORMATION Date Introduced Pricing Warranty	February 1974 \$495.00 1 year parts & labor****	July 1973 \$99.95 1 year parts & labor**	August 1972 (1000 P); Sept. 1973 (1001 P) \$249.95—1000 P \$279.95—1001 P 1 year parts & 6 months labor***	August 1972 (1010 P); Sept. 1973 (1011 P) \$269.95—1010 P \$325.00—1011 P 1 year parts & 6 months labor***
COMMENTS	*W. auto motor turn off; **Cartridge loaded rib- bon; ***W. auto constant; ****Thru 32 mfg. service centers	*W. auto constant; **Thru 32 mfg. service centers	*W. auto motor turn off on 1001 P; **W. auto constant; ***Thru 32 mfg. service centers	*W. auto motor turn off on 1011 P; **W. auto constant; *** Thru 32 mfg. service centers

Electronic Calculators—Desk Top Models

COMPANY	Rockwell Int., Bus. Equip. Div.	Royal	Royal
<b>MODEL</b>	1217	MP-12	GTA-12
<b>TYPE</b> Output Application Area	Display only General calc.	Printout only General calc.	Display only General calc.
<b>DISPLAY</b> Type Color Characters Displayed Character Size & Position	Gas discharge Orange 12 characters 3/8" high & Tilted	Not available Not available Not available Not available	Fluorescent Green 12 characters 3/8" high & Tilted
<b>PRINTOUT</b> Type	Not available	Impact; Solid characters	Not available
Characters Per Line Paper Tape Width	Not available Not available	14 characters 2 1/4" standard tape; W. advance key	Not available Not available
Two Color Print Non-Add Key	Not available Not available	Standard Not available	Not available Not available
<b>KEYBOARD</b> Type	Not applicable	Buffered	Not applicable
Keyboard Layout	C; CM; MR; M+; M-; M+=; M-=; CS; N; %; EX	C; CE; CM; RM; M+; M-	CE/C; CM; MR; M+; M-; %
<b>SPECIAL FEATURES</b> Logic Decimal System	Arithmetic* Fixed & Floating; Add mode; 11 digits; Round off	Arithmetic* Fixed & Floating; Add mode; 12 digits; Round off; Round up	Algebraic* Floating; 11 digits
Indicators	Overflow; Minus; Memory	Overflow; Minus; Memory	Overflow; Minus; Memory
Registers	1 memory register 1 auto. accum. register	1 memory register	1 memory register
Item Counter Scientific Notation	Standard Not available	Not available Not available	Not available Not available
<b>PHYSICAL FEATURES</b> Dimensions (HxWxD) Weight Other	3" x 10" x 7 1/2" 2 1/2 lbs. -	3-1/3" x 9-1/2" x 12" 6 1/4 lbs. Carrying case is standard	3" x 7 1/2" x 10 1/4" 3 1/4 lbs. -
<b>GENERAL INFORMATION</b> Date Introduced Pricing	March 1974 \$179.95	July 1974 \$289.95	July 1974 \$129.95
Warranty	1 year parts & labor**	1 year parts & 3 months labor**	1 year parts & 3 months labor**
<b>COMMENTS</b>	*W. auto constant; **Thru 32 mfg. service centers	*W. auto constant; **Thru 4 mfg. service centers	*W. auto constant; **Thru 4 mfg. service centers

Electronic Calculators—Desk Top Models

COMPANY	Sanyo	Sanyo	Sanyo	Sharp
<b>MODEL</b>	CX 8006 R	CY 2150	CY 2155P	EL-804
<b>TYPE</b> Output Application Area	Display only General calc.*	Display only General calc.	Printout only General calc.	Display only General calc.
<b>DISPLAY</b> Type Color Characters Displayed Character Size & Position	Fluorescent Blue 8 characters ¼" high & Flat	Fluorescent Green 12 characters ¼" high & Flat	Not available Not available Not available Not available	Fluorescent Green 8 characters ¼" high & Tilted
<b>PRINTOUT</b> Type	Not available	Not available	Impact; Solid characters*	Not available
Characters Per Line Paper Tape Width	Not available Not available	Not available Not available	12 characters 2¼" standard tape; W. advance key	Not available Not available
Two Color Print Non-Add Key	Not available Not available	Not available Not available	Standard Standard	Not available Not available
<b>KEYBOARD</b> Type	Not applicable	Not applicable	Buffered	Not applicable
Keyboard Layout	CK; CA; RC; K	CK; CA; CM; RM; M+; M-; Σ; %; √; K	CK; CA; CM; RM; M+; M-; Σ; %; √; +/-; RC; K; #; (*)	C; CE; K
<b>SPECIAL FEATURES</b> Logic Decimal System	Arithmetic Floating; 7 digits	Arithmetic Fixed & Floating; 11 digits; Round off; Truncate	Arithmetic Fixed & Floating; Add mode; 12 digits; Round off; Truncate	Arithmetic Floating; 7 digits
Indicators	Overflow; Minus; Battery life	Overflow; Minus; Memory	Overflow; Minus; Memory	Overflow; Minus
Registers	Not available	1 memory register	1 memory register	Not available
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
<b>PHYSICAL FEATURES</b> Dimensions (HxWxD) Weight Other	2¼"x10"x8-7/8" 5¼ lbs. Operates on AC & C size bat.	3"x7"x13" 3 lbs. —	5"x9"x13" 8 lbs. —	2¼"x6¼"x8½" 2¼ lbs. —
<b>GENERAL INFORMATION</b> Date Introduced Pricing	— \$325.00	January 1974 \$279.95	March 1974 \$399.95	July 1972 \$69.95
Warranty	1 year parts & labor**	1 year parts & labor*	1 year parts & labor**	1 year parts & labor*
<b>COMMENTS</b>	*Unit also functions as a cassette player/ recorder; **Thru 5 mfg. service centers	*Thru 5 mfg. service centers	*W. auto motor turn off; & non-print switch which allows only the results to be printed; **Thru 5 mfg. service centers	*Thru 83 mfg. service centers

Electronic Calculators—Desk Top Units

COMPANY	Sharp	Sharp	Sharp	Sharp
MODEL	EL-817S	EL-8101	CS-126	CS-229
TYPE				
Output	Display only	Display only	Display only	Display only
Application Area	General calc.	General calc.	General calc.	General calc.
DISPLAY				
Type	Fluorescent	Fluorescent	Gas discharge	Gas discharge
Color	Green	Green	Red	Red
Characters Displayed	8 characters	8 characters	12 characters	12 characters
Character Size & Position	3/8" high & Tilted	3/8" high & Tilted	3/8" high & Tilted	3/8" high & Tilted
PRINTOUT				
Type	Not available	Not available	Not available	Not available
Characters Per Line	Not available	Not available	Not available	Not available
Paper Tape Width	Not available	Not available	Not available	Not available
Two Color Print	Not available	Not available	Not available	Not available
Non-Add Key	Not available	Not available	Not available	Not available
KEYBOARD				
Type	Not applicable	Not applicable	Not applicable	Not applicable
Keyboard Layout	C; CM; MR; M+; +/-; K	C; CM/MR; M+; +/-; %	C; CE; K; RC	C; CE; CM; MR; M+; M-; RC; K
SPECIAL FEATURES				
Logic	Arithmetic	Algebraic*	Arithmetic	Arithmetic
Decimal System	Floating; 7 digits	Floating 7 digits	Fixed & Floating; 7 digits; Round off; Truncate	Fixed & Floating; 11 digits; Round off; Truncate
Indicators	Overflow; Minus; Memory	Overflow; Minus; Memory	Overflow; Minus; Comma*	Overflow; Minus; Comma;* Memory
Registers	1 memory register	1 memory register	Not available	1 memory register
Item Counter	Not available	Not available	Not available	Not available
Scientific Notation	Not available	Not available	Not available	Not available
PHYSICAL FEATURES				
Dimensions (HxWxD)	3"x7"x9"	3"x7"x9"	3"x9"x7½"	3½"x8¼"x11"
Weight	2¼ lbs.	2¼ lbs.	4¼ lbs.	4¼ lbs.
Other	-	-	-	-
GENERAL INFORMATION				
Date Introduced	July 1973	May 1974	July 1973	July 1973
Pricing	\$99.95	\$99.95	\$195.00	\$245.00
Warranty	1 year parts & labor*	1 year parts & labor**	1 year parts & labor**	1 year parts & labor**
COMMENTS	*Thru 83 mfg. service centers	*W. auto constant; **Thru 83 mfg. service centers	*Moveable plastic pointers; **Thru 83 mfg. service centers	*Moveable plastic pointers; **Thru 83 mfg. service centers



Electronic Calculators—Desk Top Models

COMPANY	Sharp	Sharp	Sharp	Sharp
MODEL	CS-243V	CS-364R	CS-523	CS-626
TYPE				
Output	Display only	Display only	Printout only	Printout only
Application Area	General calc.	General calc.	General calc.	General calc.
DISPLAY				
Type	Gas discharge	Gas discharge	Not available	Not available
Color	Red	Red	Not available	Not available
Characters Displayed	14 characters	16 characters	Not available	Not available
Character Size & Position	3/8" high & Tilted	3/8" high & Tilted	Not available	Not available
PRINTOUT				
Type	Not available	Not available	Impact; Solid characters	Impact; Solid characters
Characters Per Line	Not available	Not available	12 characters	12 characters
Paper Tape Width	Not available	Not available	2 1/4" standard tape; W. advance key	2 1/4" standard tape; W. advance key
Two Color Print	Not available	Not available	Standard	Standard
Non-Add Key	Not available	Not available	Standard	Standard
KEYBOARD				
Type	Not applicable	Not applicable	Buffered; W. roll over indexing	Buffered; W. roll over indexing
Keyboard Layout	C; CE; CM; MR; M+; M-; Verify; * RC; K	C; CE; CM1; CM2; MC3; M1R; M2R; M3R; M1+; M2+; M3+; M1-; M2-; M3-; $\Sigma$ 1; $\Sigma$ 2; Count; Verify; * RC; %; $\sqrt{\quad}$ ; K	CE; %; K; #; $\diamond$ ; (*)	CE; MSt; MT; M+; M-; %; K; #; $\diamond$ ; (*)
SPECIAL FEATURES				
Logic	Arithmetic	Arithmetic	Arithmetic	Arithmetic
Decimal System	Fixed & Floating; 13 digits; Round off; Truncate	Fixed & Floating; 15 digits; Round off; Round up; Truncate (Mem. regs. & calc. reg. have ind. controls)	Fixed & Floating; Add mode; 7 digits; Round off; Truncate	Fixed & Floating; Add mode; 7 digits; Round off; Truncate
Indicators	Overflow; Minus; Comma; Memory	Overflow; Minus; Comma; Memory	Overflow; Minus; Comma	Overflow; Minus; Comma; Memory
Registers	1 memory register 1 storage register	3 memory registers 1 storage register	Not available	1 memory register
Item Counter	Not available	Standard	Not available	Not available
Scientific Notation	Not available	Not available	Not available	Not available
PHYSICAL FEATURES				
Dimensions (HxWxD)	3 1/2" x 9" x 11"	4" x 11 1/4" x 13"	4" x 10" x 11 1/2"	4" x 10" x 11 1/2"
Weight	6 lbs.	8 1/2 lbs.	10 lbs.	10 lbs.
Other	-	-	-	-
GENERAL INFORMATION				
Date Introduced	April 1972	May 1972	March 1973	March 1974
Pricing	\$395.00	\$495.00	\$295.00	\$425.00
Warranty	1 year parts & labor**	1 year parts & labor**	1 year parts & labor*	1 year parts & labor*
COMMENTS	*Automatically verifies totals; **Thru 83 mfg. service centers	*Automatically verifies totals; **Thru 83 mfg. service centers	*Thru 83 mfg. service centers	*Thru 83 mfg. service centers

Electronic Calculators—Desk Top Models

COMPANY	Sharp	Sharp	Sharp
<b>MODEL</b>	CS-627	CS-628	CS-743R
<b>TYPE</b> Output Application Area	Printout only General calc.	Display & Printout General calc.	Printout only General calc.
<b>DISPLAY</b> Type Color Characters Displayed Character Size & Position	Not available Not available Not available Not available	LED Red 12 characters 3/8" high & Tilted	Not available Not available Not available Not available
<b>PRINTOUT</b> Type Characters Per Line Paper Tape Width Two Color Print Non-Add Key	Impact; Solid characters 12 characters 2 1/4" standard tape; W. advance key Standard Standard	Impact; Solid characters* 12 characters 2 1/4" standard tape; W. advance key Standard Standard	Impact; Solid characters 14 characters 2 1/4" standard tape; W. advance key Standard Standard
<b>KEYBOARD</b> Type Keyboard Layout	Buffered; W. roll over indexing CE; CM; MR; M+; M-; %; K; #; ◇; (*)	Buffered; W. roll over indexing CE; CM; MR; M+; M-; %; K; #; ◇; (*)	Buffered CE; CM1; CM2; RM1; RM2; M1+; M2+; M1-; M2-; Sum op; %; K; EX; #; ◇; (*)
<b>SPECIAL FEATURES</b> Logic Decimal System	Arithmetic Fixed & Floating; Add mode; 7 digits; Round off; Truncate	Arithmetic Fixed & Floating; Add mode; 7 digits; Round off; Truncate	Arithmetic Fixed & Floating; Add mode; 13 digits; Round off; Round up; Truncate
<b>Indicators</b>	Overflow; Minus; Comma; Memory	Overflow; Minus; Comma; ** Memory	Overflow; Minus; Comma; Memory
<b>Registers</b>	1 memory register	1 memory register	2 memory registers
<b>Item Counter</b> Scientific Notation	Not available Not available	Not available Not available	Not available Not available
<b>PHYSICAL FEATURES</b> Dimensions (HxWxD) Weight Other	4 1/2" x 10 1/2" x 12 1/2" 10-1/3 lbs. —	4 1/2" x 10 1/2" x 12 1/2" 12 1/2 lbs. —	4 1/2" x 10 1/2" x 12 1/2" 12 1/2 lbs. —
<b>GENERAL INFORMATION</b> Date Introduced Pricing	July 1973 \$495.00	July 1974 \$595.00	February 1972 \$645.00
<b>Warranty</b>	1 year parts & labor*	1 year parts & labor***	1 year parts & labor*
<b>COMMENTS</b>	*Thru 83 mfg. service centers	*W. auto motor turn off; & non-print switch; **Displayed & printed; ***Thru 83 mfg. service centers	*Thru 83 mfg. service centers

Electronic Calculators—Desk Top Models

COMPANY	Singer	Singer	Singer	Singer
MODEL	1201	1202	1203	2000
TYPE				
Output	Display only	Display only	Display only	Printout only
Application Area	General calc.	General calc.	General calc.	General calc.
DISPLAY				
Type	Gas discharge	Gas discharge	Gas discharge	Not available
Color	Red-orange	Red-orange	Red-orange	Not available
Characters Displayed	12 characters	14 characters	14 characters	Not available
Character Size & Position	2/5" high & Tilted	2/5" high & Tilted	2/5" high & Tilted	Not available
PRINTOUT				
Type	Not available	Not available	Not available	Impact; Solid characters
Characters Per Line	Not available	Not available	Not available	15 characters
Paper Tape Width	Not available	Not available	Not available	2 1/4" standard tape; W. advance key
Two Color Print	Not available	Not available	Not available	Standard
Non-Add Key	Not available	Not available	Not available	Standard
KEYBOARD				
Type	Not applicable	Not applicable	Not applicable	Buffered; W. roll over indexing
Keyboard Layout	C; MSt; MT; M+; M-; M+=; M-=; %; Chg sign; Recall	C; M St; MT; M+; M-; M+=; M-=; %; Chg. sign; Recall	C; M1St; M2St; M1T; M2T; M1+; M2+; M1-; M2-; M+=; M-=; %; Chg. sign; Recall	CE; %; K; #; ◇; (*)
SPECIAL FEATURES				
Logic	Arithmetic*	Arithmetic*	Arithmetic*	Arithmetic
Decimal System	Fixed & Floating; Add mode; 11 digits; Round off	Fixed & Floating; Add mode; 13 digits; Round off	Fixed & Floating; Add mode; 13 digits; Round off	Fixed & Floating; Add mode; 14 digits; Round off; Round up; Truncate
Indicators	Overflow; Minus; Memory	Overflow; Minus; Comma; Memory	Overflow; Minus; Comma; Memory	Overflow; Minus
Registers	1 memory register	1 memory register	2 memory registers	Not available
Item Counter	Standard	Standard	Standard	Not available
Scientific Notation	Not available	Not available	Not available	Not available
PHYSICAL FEATURES				
Dimensions (HxWxD)	3 1/2" x 10 1/2" x 11"	3 1/2" x 10 1/2" x 11"	3 1/2" x 10 1/2" x 11"	—
Weight	4 lbs.	4 lbs.	4 lbs.	—
Other	—	—	—	—
GENERAL INFORMATION				
Date Introduced	August 1973	April 1974	April 1974	July 1974
Pricing	\$295.00	\$349.00	\$399.00	\$305.00
Warranty	6 months parts & labor**	6 months parts & labor**	6 months parts & labor**	6 months parts & labor*
COMMENTS	*W. auto constant; **Thru 160 mfg. service centers	*W. auto constant; **Thru 160 mfg. service centers	*W. auto constant; **Thru 160 mfg. service centers	*Thru 160 mfg. service

Electronic Calculators—Desk Top Models

COMPANY	Singer	Singer	Singer	Singer
MODEL	2001	2002	2003	2004
TYPE Output Application Area	Printout only General calc.	Printout only General calc.	Printout only General calc.	Printout only General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	Not available Not available Not available Not available	Not available Not available Not available Not available	Not available Not available Not available Not available	Not available Not available Not available Not available
PRINTOUT Type Characters Per Line Paper Tape Width	Impact; Solid characters 15 characters 2 1/4" standard tape; W. advance key	Impact; Solid characters 15 characters 2 1/4" standard tape; W. advance key	Impact; Solid characters 12 characters 3-7/16" standard tape; W. advance key	Impact; Solid characters 14 characters 3-7/16" standard tape; W. advance key
Two Color Print Non-Add Key	Standard Standard	Standard Standard	Not available* Not available	Not available* Not available
KEYBOARD Type Keyboard Layout	Buffered; W. roll over indexing CE; MSt; MT; M+; M-; %; K; #; ◇; (*)	Buffered; W. roll over indexing CE; M1St; M2St; M1T; M2T; M1+; M2+; M1-; M2-; %; √; K; #; ◇; (*)	Buffered; W. roll over indexing CE; M+=; %; ◇; (*); GT	Buffered; W. roll over indexing CE; M+=; Acc Tot; %; % change; Chg sign; Prorate; ◇; (*); GT
SPECIAL FEATURES Logic Decimal System	Arithmetic Fixed & Floating; Add mode; 14 digits; Round off; Round up; Truncate	Arithmetic Fixed & Floating; Add mode; 14 digits; Round off; Round up; Truncate	Arithmetic** Fixed & Floating; Add mode; 11 digits; Round off	Arithmetic** Fixed & Floating; Add mode; 13 digits; Round off
Indicators	Overflow; Minus; Memory	Overflow; Minus; Memory	Overflow; Minus; Comma***	Overflow; Minus; Comma***
Registers	1 memory register	2 memory registers	1 auto. accum. register	2 auto. accum. registers
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
PHYSICAL FEATURES Dimensions (HxWxD) Weight Other	— — —	— — —	5 1/2" x 11" x 16" 16 lbs. —	5 1/2" x 11" x 16" 16 lbs. —
GENERAL INFORMATION Date Introduced Pricing	July 1974 \$375.00	July 1974 \$429.00	June 1973 \$455.00	June 1973 \$505.00
Warranty	6 months parts & labor*	6 months parts & labor*	6 months parts & labor****	6 months parts & labor****
COMMENTS	*Thru 160 mfg. service centers	*Thru 160 mfg. service centers	*Ink roll system; **W. auto constant; ***Triplet spacing; ****Thru 160 mfg. service centers	*Ink roll system; **W. auto constant; ***Triplet spacing; ****Thru 160 mfg. service centers

Electronic Calculators—Desk Top Models

COMPANY	Sperry Remington	Sperry Remington	Sperry Remington	Sperry Remington
MODEL	800P	1003	1005 B	1204 GT
TYPE Output Application Area	Printout only General calc.	Display only General calc.	Display only General calc.	Printout only General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	Not available Not available Not available Not available	Gas discharge Red 10 characters 3/8" high & Tilted	Fluorescent Green 10 characters 1/4" high & Tilted	Not available Not available Not available Not available
PRINTOUT Type Characters Per Line Paper Tape Width	Impact; Solid characters 8 characters 2 1/4" standard tape; W. advance key	Not available Not available Not available	Not available Not available Not available	Impact; Solid characters 12 characters 2 1/4" standard tape; W. advance key
Two Color Print Non-Add Key	Not available* Standard	Not available Not available	Not available Not available	Standard Not available
KEYBOARD Type Keyboard Layout	Buffered C; AC; #; Tot; GT	Not applicable C; Clr; MR	Not applicable C; AC; GT	— C; Clr; MR; M+; M-; %; ◇; (*)
SPECIAL FEATURES Logic Decimal System	Arithmetic** Fixed & Floating; 7 digits; Round off; Truncate	Arithmetic* Floating; 9 digits	Arithmetic* Floating; 9 digits	Arithmetic* Fixed & Floating; Add mode; 11 digits; Round off; Round up; Truncate
Indicators	Overflow; Minus	Overflow; Minus; Comma;** Memory	Overflow; Minus; Memory	Overflow; Minus; Comma
Registers	Not available	1 auto. accum. register	1 auto. accum. register	1 memory register
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
PHYSICAL FEATURES Dimensions (HxWxD) Weight Other	4 1/2" x 10" x 10" 10 lbs. —	2 1/2" x 7 1/4" x 8 1/4" 3 lbs. —	3" x 7" x 8" 2 1/2 lbs. Operates on AC & AA size bat.	4 1/4" x 9 1/2" x 12" 12 lbs. —
GENERAL INFORMATION Date Introduced Pricing	April 1974 \$225.00	October 1973 \$179.50	October 1973 \$139.95	June 1973 \$499.00
Warranty	90 days parts & labor***	90 days parts & labor***	90 days parts & labor**	90 days parts & labor**
COMMENTS	*Ink roll system; **W. auto constant; ***Thru 4 mfg. service centers; 36 month svc. cont. = \$24	*W. auto constant; **Moveable plastic pointers; ***Thru 4 mfg. service centers; 36 month svc. cont. = \$24	*W. auto constant; **Thru 4 mfg. service centers; 36 month svc. cont. = \$24	*W. auto constant; **Thru 4 mfg. service centers; 36 month svc. cont. = \$24

Electronic Calculators—Desk Top Models

COMPANY	Sperry Remington	Sperry Remington	Sperry Remington	Sperry Remington
MODEL	1209 & 1213	1215	1218	1220
TYPE				
Output	Display only	Display only	Display & Printout	Printout only
Application Area	General calc.	General calc.	General calc.	General calc.
DISPLAY				
Type	Fluorescent	Fluorescent	Gas discharge	Not available
Color	Green	Green	Orange	Not available
Characters Displayed	12 characters	12 characters	12 characters	Not available
Character Size & Position	3/8" high & Tilted	3/8" high & Tilted	1/4" high & Tilted	Not available
PRINTOUT				
Type	Not available	Not available	Impact; Solid characters*	Impact; Solid characters*
Characters Per Line	Not available	Not available	12 characters	12 characters
Paper Tape Width	Not available	Not available	2 1/2" standard tape; W. advance key	2 1/2" standard tape; W. advance key
Two Color Print	Not available	Not available	Standard	Standard
Non-Add Key	Not available	Not available	Not available	Standard
KEYBOARD				
Type	Not applicable	Not applicable	Buffered	Buffered
Keyboard Layout	C; Clr; MR; M+; M-; %; (1209): $\sqrt{\quad}$	C; AC; MC; MR; M+; M-; $\Sigma$ ; %; K	C; Clr; MR; M+; M-; %; $\diamond$ ; (*)	C; AC; CM; MR; M+; M-; %; K; 00; #; $\diamond$ ; (*)
SPECIAL FEATURES				
Logic	Arithmetic*	Arithmetic	Arithmetic**	Arithmetic
Decimal System	Fixed & Floating; 11 digits; Round off; Truncate	Fixed & Floating; 11 digits; Round off; Truncate	Fixed & Floating; Add mode; 11 digits; Round off; Truncate	Fixed & Floating; Add mode; 11 digits; Round off; Truncate
Indicators	Overflow; Minus; (1213) = Comma**	Overflow; Minus; Comma*	Overflow; Minus; Comma***	Overflow; Minus; Comma
Registers	1 memory register	1 memory register	1 memory register	1 memory register
Item Counter	Not available	Not available	Standard	Standard
Scientific Notation	Not available	Not available	Not available	Not available
PHYSICAL FEATURES				
Dimensions (HxWxD)	2 1/2" x 7 1/4" x 8 1/4"	2 1/4" x 7" x 8 1/2"	4 1/4" x 10" x 13 1/2"	4 1/4" x 9 1/2" x 13 1/4"
Weight	3 lbs.	2-1/3 lbs.	12-1/3 lbs.	12-1/3 lbs.
Other	—	Operates on AC & C size bat.	—	—
GENERAL INFORMATION				
Date Introduced	October 1973	October 1974	February 1974	April 1974
Pricing	\$312.00—1209 \$290.00—1213	\$169.00	\$575.00	\$345.00
Warranty	90 days parts & labor***	90 days parts & labor**	90 days parts & labor****	90 days parts & labor**
COMMENTS	*W. auto constant; **Moveable, plastic pointers; ***Thru 4 mfg. service centers; 36 month svc. cont. = \$24	*Moveable, plastic pointers; **Thru 4 mfg. service centers; 36 month svc. cont. = \$24	*W. non-print switch; **W. auto constant; ***Printed &/or moveable, plastic pointers; ****Thru 4 mfg. svc. ctrs; 36 month svc. cont. = \$24	*W. auto motor turn off; **Thru 4 mfg. service centers; 36 month svc. cont. = \$24

Electronic Calculators—Desk Top Models

COMPANY	Sperry Remington	Teal Industries	Teal Industries	Teal Industries
MODEL	1259S	TL-1212	TL-7121D	TL-7121P
TYPE				
Output	Display only	Display only	Display only	Printout only
Application Area	Scientific-Eng.	General calc.	General calc.	General calc.
DISPLAY				
Type	Gas discharge	Gas discharge	Fluorescent	Not available
Color	Orange	Red	Green	Not available
Characters Displayed	12 characters	12 characters	12 characters	Not available
Character Size & Position	3/8" high & Tilted	3/8" high & Tilted	3/8" high & Tilted	Not available
PRINTOUT				
Type	Not available	Not available	Not available	Impact; Solid characters*
Characters Per Line	Not available	Not available	Not available	12 characters
Paper Tape Width	Not available	Not available	Not available	3" standard tape; W. advance key
Two Color Print	Not available	Not available	Not available	Not available
Non-Add Key	Not available	Not available	Not available	Standard
KEYBOARD				
Type	Not applicable	Not applicable	Not applicable	Buffered; W. roll over indexing
Keyboard Layout	C; AC; CM; MR; M+; M-; K in; K out; Sin; Cos; Tan; Sinh; Cosh; Tan <sup>-1</sup> ; Deg; Rad; $\sqrt{\quad}$ ; $\sqrt{\quad}$ ; e <sup>x</sup> ; a <sup>n</sup> ; Log; Ln; EX; Chg sign	C; CE; CM; RM; $\Sigma$ ; $\sqrt{\quad}$ ; K	C; CE; CM; RM; M+; M-; $\Sigma$ ; EX; %; $\sqrt{\quad}$ ; K	M-; %; K; $\Sigma$ ; $\diamond$ ; (*)
SPECIAL FEATURES				
Logic	Arithmetic	Arithmetic	Arithmetic	Arithmetic
Decimal System	Fixed & Floating; 11 digits; Round off; Truncate	Fixed & Floating; 11 digits; Round off; Truncate	Fixed & Floating; 11 digits; Round off; Truncate	Fixed & Floating; Add mode; Round off; Truncate
Indicators	Overflow; Minus; Comma*	Overflow; Minus; Memory	Overflow; Minus; Comma; Memory	Overflow; Minus; Comma; Memory
Registers	1 memory register 1 storage register	1 auto. accum. register	1 memory register	1 memory register
Item Counter	Not available	Not available	Not available	Standard
Scientific Notation	Not available	Not available	Not available	Not available
PHYSICAL FEATURES				
Dimensions (HxWxD)	3" x 9 1/2" x 12 1/4"	3" x 7 1/4" x 7 3/4"	3" x 7 3/4" x 7 3/4"	3 1/2" x 9 1/2" x 11 1/4"
Weight	5 1/2 lbs.	3 lbs.	3 lbs.	6 1/2 lbs.
Other	—	—	—	—
GENERAL INFORMATION				
Date Introduced	October 1973	December 1972	June 1974	July 1974
Pricing	\$410.00	\$119.50	\$124.50	\$199.50
Warranty	90 days parts & labor**	1 year parts & labor*	1 year parts & labor*	1 year parts & labor*
COMMENTS	*Moveable, plastic pointers; **Thru 4 mfg. service centers; 36 month svc. cont. = \$24	*Thru 3 mfg. service centers	*Thru 3 mfg. service centers	*W. auto motor turn off; **Thru 3 mfg. service centers

Electronic Calculators—Desk Top Models

COMPANY	Texas Instruments	Texas Instruments	Texas Instruments	Texas Instruments
<b>MODEL</b>	Exactra 31	TI-340	TI-410	TI-450
<b>TYPE</b> Output Application Area	Display only General calc.	Display only General calc.	Display only General calc.	Display only General calc.
<b>DISPLAY</b> Type Color Characters Displayed Character Size & Position	Gas discharge Red-orange 8 characters 3/8" high & Tilted	Gas discharge Red-orange 10 characters 3/8" high & Tilted	Gas discharge Red-orange 12 characters 3/8" high & Tilted	Gas discharge Red-orange 12 characters 3/8" high & Tilted
<b>PRINTOUT</b> Type	Not available	Not available	Not available	Not available
Characters Per Line Paper Tape Width	Not available Not available	Not available Not available	Not available Not available	Not available Not available
Two Color Print Non-Add Key	Not available Not available	Not available Not available	Not available Not available	Not available Not available
<b>KEYBOARD</b> Type	Not applicable	Not applicable	Not applicable	Not applicable
Keyboard Layout	CE; C; K	C; CE; K	C; CE; CM; MR; M+; M-; %; K	C; CE; CA; CM; RM; M+; M-; Σ; EX; K; Backspace; %
<b>SPECIAL FEATURES</b> Logic Decimal System	Arithmetic Floating; 7 digits	Arithmetic Fixed & Floating; 9 digits; Round off	Arithmetic Fixed & Floating; 11 digits; Round off	Arithmetic Fixed & Floating; 11 digits; Round off; Round up; Truncate
Indicators	Overflow; Minus	Overflow; Minus	Overflow; Minus; Comma; Memory	Overflow; Minus; Comma; Memory
Registers	Not available	Not available	1 memory register	1 memory register
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
<b>PHYSICAL FEATURES</b> Dimensions (HxWxD) Weight Other	2½"x6¼"x8¼" 2 lbs. Carrying case is std.	2½"x6¼"x8¼" 2 lbs. —	2½"x6¼"x8¼" 2½ lbs. —	4"x10¼"x10" 5 lbs. —
<b>GENERAL INFORMATION</b> Date Introduced Pricing	March 1974 —	February 1974 \$79.95	February 1974 \$139.95	February 1974 \$199.95
Warranty	3 months parts & labor*	1 year parts & labor*	1 year parts & labor*	1 year parts & labor*
<b>COMMENTS</b>	*Thru dealer or 1 mfg. service center	*Thru dealer or 1 mfg. service center	*Thru dealer or 1 mfg. service center	*Thru dealer or 1 mfg. service center



Electronic Calculators—Desk Top Models

COMPANY	Texas Instruments	Texas Instruments	Texas Instruments	Texas Instruments
<b>MODEL</b>	TI-500	TI-3500 & TI-3510	TI-4000	SR-20
<b>TYPE</b> Output Application Area	Printout only General calc.	Display only General calc.	Display only General calc.	Display only Engineering
<b>DISPLAY</b> Type Color Characters Displayed Character Size & Position	Not available Not available Not available Not available	Gas discharge Red-orange 10 characters ½" high & Tilted	Gas discharge Red-orange 12 characters ½" high & Tilted	Gas discharge Red-orange 10 characters ½" high & Tilted
<b>PRINTOUT</b> Type Characters Per Line Paper Tape Width	Impact; Solid characters 12 characters 2¼" standard tape; W. advance key	Not available Not available Not available	Not available Not available Not available	Not available Not available Not available
<b>Two Color Print</b> <b>Non-Add Key</b>	Standard Standard	Not available Not available	Not available Not available	Not available Not available
<b>KEYBOARD</b> Type Keyboard Layout	Buffered CE; %; K; EX; #; ◇ ; (*)	Not applicable CE; C; K	Not applicable CE; C; CM; MR; M+; M-; %; K	Not applicable C; CD; 1/x; √x; X <sup>2</sup> ; X!; Int x; e; π; EE; +/-
<b>SPECIAL FEATURES</b> Logic Decimal System	Arithmetic Fixed & Floating; Add mode; 11 digits; Round off; Round up; Truncate	Arithmetic Fixed & Floating; 9 digits; Round off	Arithmetic Fixed & Floating; 11 digits; Round off	Algebraic Floating; 9 digits
<b>Indicators</b>	Overflow; Minus; Comma	Overflow; Minus	Overflow; Minus; Comma; Memory	Overflow; Minus
<b>Registers</b>	Not available	Not available	1 memory register	Not available
<b>Item Counter</b> <b>Scientific Notation</b>	Not available Not available	Not available Not available	Not available Not available	Not available 10 digit mantissa & 2 digit exponent
<b>PHYSICAL FEATURES</b> Dimensions (HxWxD) Weight Other	4¾"x13¾"x10¼" 7 lbs. —	2½"x6¼"x8¼" 2 lbs. 3510 has built-in digital clock	2½"x6¼"x8¼" 2½ lbs. —	2½"x6¼"x8¼" 2 lbs. —
<b>GENERAL INFORMATION</b> Date Introduced Pricing	May 1974 \$249.95	Sept. 1972 (3500); Sept. 1973 (3510) —	June 1973 —	June 1973 \$139.95
<b>Warranty</b>	1 year parts & labor*	1 year parts & labor*	1 year parts & labor*	1 year parts & labor*
<b>COMMENTS</b>	*Thru dealer or 1 mfg. service center	*Thru dealer or 1 mfg. service center	*Thru dealer or 1 mfg. service center	*Thru dealer or 1 mfg. service center

Electronic Calculators—Desk Top Models

COMPANY	Texas Instruments	Toshiba	Toshiba	Toshiba
MODEL	SR-22	BC-1003P	BC-1217A	BC-1217C
TYPE				
Output	Display only	Printout only	Display only	Display only
Application Area	Hex, Oct, Dec Conv.	General calc.	General calc.	General calc.
DISPLAY				
Type	Gas discharge	Not available	Fluorescent	Fluorescent
Color	Red-orange	Not available	Green	Green
Characters Displayed	10 characters	Not available	12 characters	12 characters
Character Size & Position	½" high & Tilted	Not available	½" high & Tilted	½" high & Tilted
PRINTOUT				
Type	Not available	Impact; Solid characters	Not available	Not available
Characters Per Line	Not available	10 characters	Not available	Not available
Paper Tape Width	Not available	2¼" standard tape; W. advance key	Not available	Not available
Two Color Print	Not available	Standard	Not available	Not available
Non-Add Key	Not available	Standard	Not available	Not available
KEYBOARD				
Type	Not applicable	Buffered; W. roll over indexing	Not applicable	Not applicable
Keyboard Layout	CI; CD; Sto; Rcl; $\Sigma$ ; +/-; EE; XCH; A; B; C; D; E; F; Oct; Hex; Dec; Ch Base	CE; C; #; Tot; GT	CE; C; MSt; MT; M+; M-; $\Sigma$ ; %; K; EX	CE; C; CM; MR; $\Sigma$ ; EX; %; K
SPECIAL FEATURES				
Logic	Algebraic	Arithmetic**	Arithmetic	Arithmetic
Decimal System	Floating; 9 digits	Fixed & Floating; Add mode; 9 digits; Round off	Fixed & Floating; 11 digits; Round off	Fixed & Floating; 11 digits; Round off
Indicators	Overflow; Minus	Overflow; Minus; Comma; Memory	Overflow; Minus; Comma; Memory	Overflow; Minus; Comma; * Memory
Registers	1 auto. accum. register	Not available	1 memory register	1 auto.accum. register
Item Counter	Not available	Not available	Not available	Not available
Scientific Notation	10 digit mantissa & 2 digit exponent	Not available	Not available	Not available
PHYSICAL FEATURES				
Dimensions (HxWxD)	2½"x6¼"x8¼"	3½"x9¼"x12"	2½"x6½"x9"	2½"x6½"x9½"
Weight	3 lbs.	12 lbs.	2½ lbs.	2½ lbs.
Other	Operates on AC & rech. bat. (opt.)	—	—	—
GENERAL INFORMATION				
Date Introduced	September 1973	March 1974	March 1974	July 1974
Pricing	\$249.95	\$299.95	\$219.95	\$189.95
Warranty	1 year parts & labor*	1 year parts & 3 months labor***	1 year parts & 3 months labor*	1 year parts & 3 months labor*
COMMENTS	*Thru 1 mfg. service center	*W. auto motor turn off; **W. auto constant; ***Thru 6 mfg. service centers	*Thru 6 mfg. service centers	*Moveable, plastic pointers; **Thru 6 mfg. service centers

Electronic Calculators—Desk Top Models

COMPANY	Toshiba	Unitrex	Unitrex	Unitrex
MODEL	BC-1218P & BC-222P	800D	800R	800K & 801K
TYPE Output Application Area	Printout only General calc.	Display only General calc.	Display only General calc.	Display only General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	Not available Not available Not available Not available	Fluorescent Green 8 characters ¼" high & Tilted	Fluorescent Green 8 characters ¼" high & Tilted	Fluorescent Green 8 characters ¼" high & Tilted
PRINTOUT Type	Impact; Solid characters	Not available	Not available	Not available
Characters Per Line Paper Tape Width	12 characters 2¾" standard tape; W. advance key	Not available Not available	Not available Not available	Not available Not available
Two Color Print Non-Add Key	Standard Standard	Not available Not available	Not available Not available	Not available Not available
KEYBOARD Type	Buffered; W. roll over indexing	Not applicable	Not applicable	Not applicable
Keyboard Layout	CE; C; M+=; M-=-; %; #; ◇; (*); (1222P); MSt; MT; M+; M-	C; CE; %	C; CE; %; √; K; +/-	C; CE; RV; K; (801K): %
SPECIAL FEATURES Logic Decimal System	Arithmetic* Fixed & Floating; Add mode; 11 digits; Round off	Algebraic* Floating & Add mode; 7 digits; Round off	Arithmetic Floating; 7 digits	Arithmetic Floating; 7 digits
Indicators	Overflow; Minus; Comma; Memory	Overflow; Minus	Overflow; Minus	Overflow; Minus
Registers	1 mem reg. (1222P) 1 auto. accum. register	Not available	Not available	Not available
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
PHYSICAL FEATURES Dimensions (HxWxD) Weight Other	4¾"x9"x14" 15½ lbs. —	1½"x6½"x4½" 1 lb. Operates on AC & AA size bat.	1½"x6½"x4½" 1 lb. Operates on AC & AA size bat.	1½"x6½"x4½" 1 lb. Operates on AC & AA size bat.
GENERAL INFORMATION Date Introduced Pricing	June 1972 \$495.00—1218P \$545.00—1222P	— \$49.00	— \$59.00	— \$29.00—800K \$39.00—801K
Warranty	1 year parts & 3 months labor**	1 year parts & labor**	1 year parts & labor*	1 year parts & labor
COMMENTS	*W. auto constant; **Thru 6 mfg. service centers	*W. auto constant; **Exchangeable thru dealer or retail outlet	*Exchangeable thru dealer or retail outlet	*Exchangeable thru dealer or retail outlet

Electronic Calculators—Desk Top Models

COMPANY	Unitrex	Unitrex	Unitrex	Unitrex
MODEL	1200 & 1200K	1201M	12 PPS & 12 PPM	16 PPMD
TYPE				
Output	Display only	Display only	Printout only	Printout only
Application Area	General calc.	General calc.	General calc.	General calc.
DISPLAY				
Type	Fluorescent	Fluorescent	Not available	Not available
Color	Green	Green	Not available	Not available
Characters Displayed	12 characters	12 characters	Not available	Not available
Character Size & Position	¼" high & Tilted	¼" high & Tilted	Not available	Not available
PRINTOUT				
Type	Not available	Not available	Impact; Solid characters	Impact; Solid characters
Characters Per Line	Not available	Not available	12 characters	16 characters
Paper Tape Width	Not available	Not available	2½" standard tape; W. advance key	2½" standard tape; W. advance key
Two Color Print	Not available	Not available	Standard	Standard
Non-Add Key	Not available	Not available	Standard	Standard
KEYBOARD				
Type	Not applicable	Not applicable	Buffered	Buffered
Keyboard Layout	C; CE; (1200K): K	C; CE; CM; MR; M+; M-; RV	C; CE; ◇; (*); (12 PPM): CM; RM; M+; M-; EX; K	C; CE; CM; RM; M+; M-; K; ◇; (*)
SPECIAL FEATURES				
Logic	Arithmetic	Algebraic*	Arithmetic	Arithmetic
Decimal System	Fixed & Floating; 11 digits; Round off	Fixed & Floating; 11 digits; Round off	Fixed & Floating; 11 digits; Round off	Fixed & Floating; 15 digits; Round off
Indicators	Overflow; Minus; Comma*	Overflow; Minus; Memory	Overflow; Minus; (12 PPM): Memory	Overflow; Minus
Registers	Not available	1 memory register	1 mem. reg.—12 PPM	1 memory register
Item Counter	Not available	Not available	Not available	Not available
Scientific Notation	Not available	Not available	Not available	Not available
PHYSICAL FEATURES				
Dimensions (HxWxD)	2½" x 7½" x 9½"	2½" x 7½" x 9½"	3¾" x 8½" x 11¼"	3¾" x 8½" x 11¼"
Weight	3 lbs.	3 lbs.	9½ lbs.	9½ lbs.
Other	Carrying case is optional	Carrying case is optional	—	—
GENERAL INFORMATION				
Date Introduced	—	—	—	—
Pricing	\$59.00—1200 \$69.00—1200K	\$79.00	\$159.50—12 PPS \$199.00—12 PPM	\$229.50
Warranty	1 year parts & labor**	1 year parts & labor**	3 months parts & labor*	3 months parts & labor*
COMMENTS	*Moveable, plastic pointers; **Exchangeable thru dealer or retail outlet	*W. auto constant; **Exchangeable thru dealer or retail outlet	*Exchangeable thru dealer or retail outlet	*Exchangeable thru dealer or retail outlet

Electronic Calculators—Desk Top Models

COMPANY	Victor	Victor	Victor	Victor
MODEL	301A & 302A	18-1721	19-1420 & 704	19-1421 & 705
TYPE				
Output	Printout only	Display only	Display only	Display only
Application Area	General calc.	Scientific-Eng.	General calc.	General calc.
DISPLAY				
Type	Not available	Gas discharge	Gas discharge	Gas discharge
Color	Not available	Red-orange	Red-orange	Red-orange
Characters Displayed	Not available	14 characters	12 characters	12 characters
Character Size & Position	Not available	2/5" high & Tilted	2/5" high & Tilted	2/5" high & Tilted
PRINTOUT				
Type	Impact; Solid characters	Not available	Not available	Not available
Characters Per Line	12 characters	Not available	Not available	Not available
Paper Tape Width	3" standard tape; W. advance key	Not available	Not available	Not available
Two Color Print	Standard	Not available	Not available	Not available
Non-Add Key	Standard	Not available	Not available	Not available
KEYBOARD				
Type	—	Not applicable	Not applicable	Not applicable
Keyboard Layout	CE; K; %; $\diamond$ ; (*); (302 A): MR/C; MR; M+; M—	C; CA; CM; RM; M+; CS; Sin; Cos; Tan; Inv; Com; Nat; Deg; Rad; Log; $\sqrt{\quad}$ ; XY; 1/x; $\pi$ ; EX	C; CA; %; DS	C; CA; MR/C; MR; M+; M—; M+=; M—=; %; DS
SPECIAL FEATURES				
Logic	Arithmetic	Algebraic*	Arithmetic*	Arithmetic*
Decimal System	Fixed & Floating; Add mode; 11 digits; Round off	Floating; 13 digits	Fixed & Floating; 11 digits; Round off	Fixed & Floating; 11 digits; Round off
Indicators	Overflow; Minus; Comma; (302 A): Memory	Overflow; Minus; Comma; ** Memory	Overflow; Minus; Comma	Overflow; Minus; Comma
Registers	1 mem. reg.—302A	1 memory register	Not available	1 memory register
Item Counter	Not available	Not available	Not available	Not available
Scientific Notation	Not available	Not available	Not available	Not available
PHYSICAL FEATURES				
Dimensions (HxWxD)	4" x 9" x 12"	5" x 10" x 11 1/4"	4" x 8 3/4" x 10 1/2"	4" x 8 3/4" x 10 1/2"
Weight	9 lbs.	6 lbs.	3 1/2 lbs.	3 1/2 lbs.
Other	—	—	Snap-on cover is standard	Snap-on cover is standard
GENERAL INFORMATION				
Date Introduced	—	—	—	—
Pricing	\$365.00—301A \$395.00—302A	\$295.00	\$209.00	\$239.00
Warranty	1 year parts & labor*	1 year parts & labor***	1 year parts & labor**	1 year parts & labor**
COMMENTS	*Thru 850 mfg. service centers	*W. auto constant; **Moveable, plastic pointers; ***Thru 850 mfg. service centers	*W. auto constant; **Thru 850 mfg. service centers	*W. auto constant; **Thru 850 mfg. service centers

Electronic Calculators—Desk Top Units

COMPANY	Victor	Victor	Victor	Victor
MODEL	19-1461	19-1462 & 19-1562	19-4460 & 19-4461	19-4462 & 19-4562
TYPE Output Application Area	Display only General calc.	Display only General calc.	Printout only General calc.	Printout only General calc.
DISPLAY Type Color Characters Displayed Character Size & Position	Gas discharge Red-orange 16 characters 2/5" high & Tilted	Gas discharge Red-orange 16 characters 2/5" high & Tilted	Not available Not available Not available Not available	Not available Not available Not available Not available
PRINTOUT Type Characters Per Line Paper Tape Width	Not available Not available Not available	Not available Not available Not available	Impact; Dot matrix characters* 14 characters 3" standard tape; W. advance key	Impact; Dot matrix characters* 14 characters 3" standard tape; W. advance key
Two Color Print Non-Add Key	Not available Not available	Not available Not available	Standard Standard	Standard Standard
KEYBOARD Type Keyboard Layout	Not applicable C; CA; MR/C; MR; M+; M-; M+=; M-=; %; EX; DS	Not applicable C; CA; MR/C; MR; M+; M-; M+=; M-=; M2; X+M2; N; DS; EX; (19-1562): √; CS	Buffered; W. roll over indexing C; CA; %; EX; DS; N; ◇; (*); (19-4461): MR/C; MR; M+; M-; M+=; M-=	Buffered; W. roll over indexing C; CA; MR/C; MR; M+; M-; M+=; M-=; M2; X+M2; N; DS; EX; (19-4562): √; CS
SPECIAL FEATURES Logic Decimal System	Arithmetic* Fixed & Floating; Flexi-mode; 15 digits; Round off	Arithmetic* Fixed & Floating; Flexi-mode; 15 digits; Round off	Arithmetic** Fixed & Floating; Flexi-mode; 15 digits; Round off	Arithmetic** Fixed & Floating; Flexi-mode; 15 digits; Round off
Indicators	Overflow; Minus; Comma; Memory	Overflow; Minus; Comma; Memory	Overflow; Minus; Comma; (1461): Memory	Overflow; Minus; Comma; Memory
Registers	1 memory register	2 memory registers	1 mem. reg.—4461	2 memory registers
Item Counter Scientific Notation	Not available Not available	Standard Not available	Standard Not available	Standard Not available
PHYSICAL FEATURES Dimensions (HxWxD) Weight Other	4" x 8 1/2" x 10 1/2" 3 3/4 lbs. —	4" x 8 1/2" x 10 1/2" 3 3/4 lbs. Snap-on cover is std.	5 1/2" x 12" x 15 1/2" 16 1/2 lbs. —	5 1/2" x 12" x 15 1/2" 16 1/2 lbs. —
GENERAL INFORMATION Date Introduced Pricing	— \$269.00	— \$299.00—1462 \$349.00—1562	— \$545.00—4460 \$595.00—4461	— \$645.00—4462 \$725.00—4562
Warranty	1 year parts & labor**	1 year parts & labor**	1 year parts & labor***	1 year parts & labor***
COMMENTS	*W. auto constant; **Thru 850 mfg. service centers	*W. auto constant; **Thru 850 mfg. service centers	*W. auto motor turn off; **W. auto constant; ***Thru 850 mfg. service centers	*W. auto motor turn off; **W. auto constant; ***Thru 850 mfg. service centers

Electronic Calculators—Desk Top Units

COMPANY	Walther	Walther	Walther	Walther
<b>MODEL</b>	ETR 1031	ETR 21 & ETR 22	ETR 23, ETR 24 & 25	ETR 2033 & ETR 2034
<b>TYPE</b> Output Application Area	Display only General calc.	Display only General calc.	Printout only General calc.	Printout only General calc.
<b>DISPLAY</b> Type Color Characters Displayed Character Size & Position	Gas discharge Red-orange 12 characters 3/8" high & Tilted	Gas discharge Red-orange 12 characters 3/8" high & Tilted	Not available Not available Not available Not available	Not available Not available Not available Not available
<b>PRINTOUT</b> Type	Not available	Not available	Impact; Solid characters	Impact; Solid characters
Characters Per Line Paper Tape Width	Not available Not available	Not available Not available	12 characters 2 3/4" standard tape; W. advance key	12 characters 2 3/4" standard tape; W. advance key
Two Color Print Non-Add Key	Not available Not available	Not available Not available	Not available Standard	Not available Standard
<b>KEYBOARD</b> Type	Not applicable	Not applicable	Buffered	Buffered
Keyboard Layout	CE; CA; MR/C; MR; M+; M-; +/-; EX; GT	CE; CA; MR/C; MR; M+; M-; M%; K: EX; +/-; (ETR 22): √	CE; CA; K; %; #; (ETR 24): MR/C; MR; M; M%; (ETR 25): √	CE; CA; K; %; ◇ ; (*); (ETR 2034): MR/C; MR; M+; M-
<b>SPECIAL FEATURES</b> Logic Decimal System	Arithmetic* Fixed & Floating; Add mode; 11 digits; Round off	Arithmetic Fixed & Floating; 11 digits; Round off; Truncate	Arithmetic Fixed & Floating; 11 digits; Round off	Arithmetic Fixed & Floating; Add mode; 11 digits; Round off; Truncate
Indicators	Overflow; Minus; Memory	Overflow; Minus	Overflow; Minus	Overflow; Minus
Registers	1 memory register	1 memory register	1 mem. reg. (24 & 25)	1 mem. reg. (2034)
Item Counter Scientific Notation	Not available Not available	Not available Not available	Not available Not available	Not available Not available
<b>PHYSICAL FEATURES</b> Dimensions (HxWxD) Weight Other	4" x 8 1/4" x 10 1/2" 6 lbs. —	4" x 8 1/4" x 10 1/2" 6 lbs. —	5 1/4" x 9 1/4" x 12 1/2" 11 1/2 lbs. —	5 1/4" x 9 1/4" x 12 1/2" 11 1/2 lbs. —
<b>GENERAL INFORMATION</b> Date Introduced Pricing	— \$249.50	— \$199.50—21 \$249.50—22	— \$295.00 (23); \$345.00 (24); \$395.00 (25)	— \$395.00—2033 \$495.00—2034
Warranty	1 year parts & labor**	1 year parts & labor*	1 year parts & labor*	1 year parts & labor*
<b>COMMENTS</b>	*W. auto constant; **Thru 4 dealer service centers	*Thru 4 mfg. service centers	*Thru 4 mfg. service centers	*Thru 4 mfg. service centers





Electronic Calculators—Programmable Models

COMPANY	Compucorp*	Compucorp*	Compucorp*	Compucorp*
MODEL	025 Educator**	275 Banker**	285 Financier**	295 Treasurer**
TYPE Output Programmability	Printout only Via keyboard—std.; Via punch card—opt.	Printout only Via keyboard—std.; Via punch card—opt.	Printout only Via keyboard—std.; Via punch card—opt.	Printout only Via keyboard—std.; Via punch card—opt.
KEYBOARD Type	Buffered	Buffered	Buffered	Buffered
Keyboard Layout	Reset; St M; RM; M+; Chg sgn; Cl x; Print x; Print ans; $\Gamma$ ; $\pi$ ; e; $e^x$ ; $10^x$ ; $1/x$ ; Log; Ln; EXP; Sin; Cos; $\sin^{-1}$ ; $\cos^{-1}$ ; Sinh; Cosh; $\sinh^{-1}$ ; $\cosh^{-1}$ ; Polar; Rad $\rightarrow$ Deg; Step; Load; Sense; Halt; & others	Reset; St; M; RM; M+; M-; Chg sign; Clear KB; %+; $\sqrt{\quad}$ ; $1/x$ ; $a^x$ ; $x/12$ ; Comp. int.; Date; Print ent; Print ans; $\diamond$ ; (*); Step; Load; Sense; Halt; Int.; Prin; Rcl P; Stop; Resume; Store 1; & others	Reset; St; M; RM; M+; M-; Chg sign; Clear KB; %; $\sqrt{\quad}$ ; $1/x$ ; $a^x$ ; $x/12$ ; Comp. int.; Date; Print ent; Print ans; $\diamond$ ; (*); Step; Load; Sense; Halt; Int.; Prin; Rcl P; Stop; Resume; Store 1; & others	Reset; St M; RM; M+; M-; Chg sign; Clear KB; %+; $\sqrt{\quad}$ ; $1/x$ ; $a^x$ ; $x/12$ ; Comp. int.; Date; Print ent; Print ans; $\diamond$ ; (*); Step; Load; Sense; Halt; Int.; Prin; Rcl P; Stop; Resume; Store 1; & others
SPECIAL FEATURES Decimal System	Fixed & Floating; 11 digits; Round off	Fixed & Floating; Add mode; 12 digits; Round off	Fixed & Floating; Add mode; 12 digits; Round off	Fixed & Floating; Add mode; 12 digits; Round off
Indicators	Overflow; Minus	Overflow; Minus	Overflow; Minus	Overflow; Minus
Registers	10 memory registers	1 auto. accum. register 10 memory registers	1 auto. accum. register 10 memory registers	1 auto. accum. register 10 memory registers
Scientific Notation	10 digit mantissa & 2 digit exponent	Not available	Not available	Not available
Programming	Keystroke & Formula level; 128 program steps—std.; 256 steps— opt.; No program re- tention	Keystroke & Formula level; 128 program steps—std.; 256 steps— opt.; No program re- tention	Keystroke & Formula level; 128 program steps—std.; 256 steps— opt.; No program re- tention	Keystroke & Formula level; 128 program steps—std.; 256 steps— opt.; No program re- tention
Software Packages	Not available	Not available (Prepro- grammed for present & future values, & Days between dates— actual & 30/360 calendar)	Not available (Prepro- grammed for Int. rebate; loan ins. premium; Add on int; & others)	Not available (Prepro- grammed for Days between dates; Coupon periods bet. dates, & bond price sold on yield)
I/O Devices	3½" paper tape listing printer—std.; punch card reader—opt.	3½" paper tape listing printer—std.; punch card reader—opt.	3½" paper tape listing printer—std.; punch card reader—opt.	3½" paper tape listing printer—std.; punch card reader—opt.
PHYSICAL FEATURES Dimensions (HxWxD) Weight	7"x14½"x15" 27 lbs.	7"x14½"x15" 22½ lbs.	7"x14½"x15" 22½ lbs.	7"x14½"x15" 22½ lbs.
GENERAL INFORMATION Date Introduced Pricing	July 1974 \$1,995.00	July 1972 \$1,995.00	July 1972 \$1,995.00	July 1972 \$1,995.00
Warranty	3 months parts & labor***	3 months parts & labor***	3 months parts & labor***	3 months parts & labor***
COMMENTS	*Marketed by Monroe in U.S. & Canada; **W. auto constant; *** Thru 26 dealer & mfg. service centers	*Marketed by Monroe in U.S. & Canada; **W. auto constant; *** Thru 26 dealer & mfg. service centers	*Marketed by Monroe in U.S. & Canada; **W. auto constant; *** Thru 26 dealer & mfg. service centers	*Marketed by Monroe in U.S. & Canada; **W. auto constant; *** Thru 26 dealer & mfg. service centers

Electronic Calculators—Programmable Models

COMPANY	Compucorp*	Compucorp*	Compucorp*	Compucorp*
MODEL	324 Scientist**	325 Scientist**	326 Scientist**	344 Statistician**
TYPE Output Programmability	Display only Via keyboard—std.	Display & Printout Via keyboard & mag. tape cassette—std.	Display only Via keyboard & mag. tape cassette—std.	Display only Via keyboard—std.
KEYBOARD Type	Not applicable	Buffered	Buffered	Not applicable
Keyboard Layout	CE; St M; RM; ExM; Reset; Chg sign; Sin; Cos; Tan; Sin <sup>-1</sup> ; Cos <sup>-1</sup> ; Tan <sup>-1</sup> ; e <sup>x</sup> ; 10 <sup>x</sup> ; Ln; Log; √; π; 1/x; [ ]; a <sup>x</sup> ; Deg; Rad; Dec ↔ Deg; Deg ↔ Rad; Exp	CE; St M; RM; ExM; Reset; Chg sign; Sin; Cos; Tan; Sin <sup>-1</sup> ; Cos <sup>-1</sup> ; Tan <sup>-1</sup> ; e <sup>x</sup> ; 10 <sup>x</sup> ; Ln; Log; √; π; 1/x; [ ]; a <sup>x</sup> ; Deg; Rad; Deg ↔ Rad; Dec ↔ Deg; Exp; St. dev; Mean; Metric conversions & others	CE; StM; RM; ExM; Reset; Chg sign; Sin; Cos; Tan; Sin <sup>-1</sup> ; Cos <sup>-1</sup> ; Tan <sup>-1</sup> ; e <sup>x</sup> ; 10 <sup>x</sup> ; Ln; Log; √; π; 1/x; [ ]; a <sup>x</sup> ; Degj Rad; Deg ↔ Rad; Dec ↔ Deg; Exp; St. dev.; Mean; Metric conver- sions & others	CE; StM; RM; ExM; Reset; Chg sign; √; 1/x; a <sup>x</sup> ; 10 <sup>x</sup> ; xy; Ln; Log; a <sup>x</sup> ; [ ]; Delete; Clear grp; Std. dev.; Lin. Reg.; T-dep.; T-indep.; Sum of x, x <sup>2</sup> , or m; Line; & others
SPECIAL FEATURES Decimal System	Fixed & Floating; 9 digits; Round off	Fixed & Floating; 9 digits; Round off	Fixed & Floating; 9 digits; Round off	Fixed & Floating; 9 digits; Round off
Indicators	Overflow; Minus	Overflow; Minus; Comma	Overflow; Minus	Overflow; Minus; Comma
Registers	10 memory registers	12 memory registers	12 memory registers	10 memory registers
Scientific Notation	10 digit mantissa & 2 digit exponent	10 digit mantissa & 2 digit exponent	10 digit mantissa & 2 digit exponent	10 digit mantissa & 2 digit exponent
Programming	Keystroke & Formula Level; Two 80 step programs—max.	Keystroke & Formula Level; 416 program steps std.; 150,000 steps opt. on mag tape	Keystroke & Formula Level; 160 program steps std.; 100,000 steps opt. on mag tape	Keystroke & Formula Level; Two 80 step programs max.
Software Package	Not available	Math, Eng., & physics programs available from mfg. & user group	Math, Eng., & physics programs available from mfg. & user group	Not available
I/O Device	Electronic display—std.	Mag Tape Cassette reader/recorder & Electronic display— std.	Mag Tape Cassette Reader/Recorder & Electronic display— std.	Electronic display—std.
PHYSICAL FEATURES Dimensions (HxWxD) Weight	2"x5½"x9" 3½ lbs.	4½"x13¼"x11½" 13 lbs.	2"x5"x9" 3½ lbs.	2"x5"x9" 3½ lbs.
GENERAL INFORMATION Date Introduced Pricing	February 1973 \$595.00	March 1974 \$1,995.00	March 1974 \$1,195.00	February 1973 \$595.00
Warranty	3 months parts & labor***	3 months parts & labor***	3 months parts & labor***	3 months parts & labor***
COMMENTS	*Marketed by Monroe in U.S. & Canada; **W. auto constant; operates on AC & rech. bat.;***Thru 26 dealer & mfg. service centers	*Marketed by Monroe in U.S. & Canada; **W. auto constant; ***Thru 26 dealer & mfg. service centers	*Marketed by Monroe in U.S. & Canada; **W. auto constant; operates on AC & rech. bat.; ***Thru 26 dealer & mfg. service centers	*Marketed by Monroe in U.S. & Canada; **W. auto constant; operates on AC & rech. bat.; ***Thru 26 dealer & mfg. service centers

Electronic Calculators—Programmable Models

COMPANY	Compucorp*	Hewlett-Packard	Hewlett-Packard	Hewlett-Packard
MODEL	354 Surveyor**	HP-65*	HP-9810	HP-9820
TYPE Output Programmability	Display only Via keyboard—std.	Display only Via keyboard & magnetic card—std.	Display & Printout Via keyboard & mag. card—std.; Via punch card, mark sense card; mag tape, & paper tape—opt.	Display & Printout Via keyboard & mag. card—std.; Via punch card, mark sense card; mag tape, & paper tape—opt.
KEYBOARD Type	Not applicable	Not applicable	—	—
Keyboard Layout	Ce; St M; RM; a <sup>x</sup> ; √; 1/x; Chg sign; Sin; Cos; Sin <sup>-1</sup> ; Cos <sup>-1</sup> ; Deg → Rad; [ ; ]; Deg; North; East; Reset; Quadrant; Perim area; Field angle; Forward; Inverse; Intersect; Traverse calc.; Point to point inverting	C Prefix; C Stk; Cl x; C Reg; C Prgm; Sto; Rcl; Sin; Cos; Tan; Chg sign; EEx; Enter; Log; Ln; X ↔ Y; 1/x; y <sup>x</sup> ; Deg; Rad; GTO; LBL; RTN; DSP; Set Flag 1; Test Flag 1; X ≠ Y; X ≤ Y; X = Y; X > Y; NOP; & others	Clear; Clear X; √x; 1/x; x <sup>2</sup> ; Int x; X ↔ Y; Chg sign; π; Set Flag; Label; Return; Pause; Backstep; X ( Y; X = Y; X ) Y; Go to; Stop; Load; Record; List; Run; Continue; EEx; & others*	Clear; Ent; Dsp; Del; Ins; Rcl; Print; Space; List; Load; Record; Exec; Run; Store; Go to; Rtn; Set Flag; Clear flag; Jump; End; ) ; ( ; = #; √; & others*
SPECIAL FEATURES Decimal System	Fixed & Floating; 9 digits; Round off	Fixed & Floating; 10 digits; Round off	Fixed & Floating; 10 digits; Round off	Fixed & Floating; 10 digits; Round off
Indicators	Overflow; Minus; Comma	Overflow; Minus; Low battery	Overflow; Minus	Overflow; Minus
Registers	10 memory registers	9 memory registers 1 auto. accum. register 1 storage register	51 memory reg.—std. 111 memory reg.—opt. 1 auto. accum. register	173 memory reg.—std. 429 memory reg.—opt. 6 storage registers
Scientific Notation	10 digit mantissa & 2 digit exponent	10 digit mantissa & 2 digit exponent	10 digit mantissa & 2 digit exponent	12 digit mantissa & 2 digit exponent
Programming	Keystroke & Formula level; Two 80 step programs max.	Keystroke level; 100 prog. steps max.; No prog. retention	Keystroke level; 240 prog. steps—std.; up to 2,026 prog. steps—opt.; No prog. retention	Formula level
Software Packages	Not available	Math, stat, medicine, surveying, & eng. pro- grams available from mfg. & user grp. on a fixed fee basis	Math, banking, stat, acct, physics, eng, & medical prog. available from mfg. & user grp. on a fixed fee basis	Math, stat, physics, eng, & commercial appl. prog. available from mfg. & user grp. on a fixed fee basis
I/O Devices	Electronic display—std.	Electronic display & mag card reader/ recorder—std.	3 line electronic dsp & mag card reader/rec.— std.; Listing printer, line printer, typewriter/ keyboard printer, mag tape cass. reader/rec., punch & mark card reader, mag disk, & others	Electronic dsp, mag card reader/rec, & listing printer—std.; Line printer, typewriter/ kybd printer, mag tape cass. reader/rec., punch & mark card reader, mag disk, & others
PHYSICAL FEATURES Dimensions (HxWxD) Weight	2"x5½"x9" 3½ lbs.	1"x3"x6" 11 oz.	5½"x17¼"x21" 34 lbs.	5½"x17¼"x21" 36 lbs.
GENERAL INFORMATION Date Introduced Pricing	February 1973 \$1,195.00	January 1974 \$795.00	June 1968 \$1,975.00	— \$3,975.00
Warranty	3 months parts & labor***	1 year parts & labor**	3 months parts & labor**	3 months parts & labor**
COMMENTS	*Marketed by Monroe In U.S. & Canada; **W. auto constant; operates on AC & rech. bat.; ***Thru 26 dealer & mfg. service centers	*Hand held; AC & rech. bat.; case & adapter std.; **Thru 50 mfg. service centers	*Plug in ROM modules customize calc. for dif- ferent applications; **Thru 50 mfg. service centers	*Plug in ROM modules customize calc. for dif- ferent applications; **Thru 50 mfg. service centers

Electronic Calculators—Programmable Models

COMPANY	Hewlett-Packard	Hewlett-Packard	MIT	MIT
MODEL	HP-9821	HP-9830	908 DM	7440
TYPE Output Programmability	Display & Printout Via keyboard & mag tape cassette—std.; Via mark card, punch card & paper tape—opt.	Display & Printout Via keyboard & mag tape cassette—std.; Via mark card, punch card & paper tape—opt.	Display only Optional via programmer keyboard	Display only Optional via "pro- grammer" keyboard
KEYBOARD Type	—	—	Not applicable	Not applicable
Keyboard Layout	Clear; Ent; Dsp; Del; Ins; Rcl; Print; Space; List; Load; Record; Exec; Run; Store; Stop; Go to; Rtn; Set flag; Clear Flag; Jump; End; ; < ; ≠ ; √ ; & others*	Full typewriter key- board; Ins; Rel; Twd; Back; Load; Step; Rewind; List; & others	C; CE; M; %; √x; 1/x; x <sup>2</sup>	C; CE; M; Log x; Ln x; e <sup>x</sup> ; x <sup>y</sup> ; 1/x; √x; Sin; Cos; Tan; Arc; Deg; Rad; ; X Y; [; ]; (; ); Chg sign; EEx
SPECIAL FEATURES Decimal System	Fixed & Floating; 10 digits	Fixed & Floating; 12 digits	Fixed & Floating; 7 digits	Floating; 9 digits
Indicators	Overflow; Minus	Overflow; Minus	Overflow; Minus	Overflow; Minus
Registers	167 memory reg.—std. up to 1,447 mem.reg.— opt. 6 storage registers	—	1 storage register	1 storage register
Scientific Notation	12 digit mantissa & 2 digit exponent	12 digit mantissa & 2 digit exponent	Not available	10 digit mantissa & 2 digit exponent
Programming	Formula level	BASIC level; 2K bytes— std.; up to 8K bytes— opt.	Optional—Keystroke level; 256 prog. steps— std.; 512 prog steps— opt.; No prog. retention	Optional—Keystroke level; 256 prog. steps— std.; 512 prog. steps— opt.; No prog. retention
Software Packages	Math, Stat, physics, eng; & commercial applications programs available from mfg & user grp on fixed fee basis	Math, banking, stat, acct, physics, eng, & medial prog. available from mfg. & user grp on a fixed fee basis	Not available	Not available
I/O Devices	Electronic dsp, mag tape cassette reader/rec., & listing printer—std.; Line printer, typewriter/ kybd printer, punch & mark card reader, mag disk, & others	Electronic dsp & mag tape cassette reader/ rec.—std.; line printer, typewriter/kybd printer, punch card/mark card reader, paper tape reader & punch, digitizer, & plotter— opt.	Electronic dsp—std.	Electronic dsp—std.
PHYSICAL FEATURES Dimensions (HxWxD) Weight	6¼"x18½"x24" 38 lbs.	6"x17¾"x16" 40 lbs.	3¼"x8½"x12" 5 lbs.	3¼"x8½"x12" 5 lbs.
GENERAL INFORMATION Date Introduced	—	—	May 1974	February 1974
Pricing	\$4,975.00	\$6,475.00	\$149.95; \$129.95 in kit form	\$299.95; \$199.95 in kit form
Warranty	3 months parts & labor**	3 months parts & labor*	1 year parts & labor*	1 year parts & labor*
COMMENTS	*Plug in ROM modules customize calc. for different applications; **Thru 50 mfg. service centers	*Thru 50 mfg. service centers	*Thru 1 mfg. service center	*Thru 1 mfg. service center

### Electronic Calculators—Programmable Models

COMPANY	Monroe	Monroe	Monroe	Monroe
<b>MODEL</b>	1810	1830	1860	1880
<b>TYPE</b> Output Programmability	Printout only Via keyboard & mag card—std.; Via punch card & mark card—opt.	Printout only Via keyboard & mag card—std.; Via punch card & mark card—opt.	Printout only Via keyboard & mag card—std.; Via punch card & mark card—opt.	Printout only Via keyboard & mag card—std.; Via punch card & mark card—opt.
<b>KEYBOARD</b> Type Keyboard Layout	Buffered; W. roll over indexing CE; C; MT; MSt; M+; M-; X <sup>2</sup> ; √x; e <sup>x</sup> ; XY; (;); SmpI int; Cmpd int; PV; FV; Log; Ln; 1/x; & others incl. 16 user defineable keys	Buffered; W.roll over indexing ME; C; MT; MSt; M+; M-; X <sup>2</sup> ; √x; e <sup>x</sup> ; XY; (;); SmpI int; Cmpd int; PV; FV; Log; Ln; 1/x; & others incl. 13 user defineable keys	Buffered; W. roll over indexing CE; C; MT; MSt; M+; M-; X <sup>2</sup> ; √x; e <sup>x</sup> ; XY; nI; std. dev.; mean; t-dep.; t-indep.; chi-sq. stat; Z-stat; Branch; Flag; Jump; Insert; Back space; Run; Print; Halt & others	Buffered; W. roll over indexing CE; C; MT; MSt; M+; M-; X <sup>2</sup> ; √x; e <sup>x</sup> ; XY; nI; 1/x; Log; Ln; Sin; Cos; Tan; Sinh; Cosh; Tanh; Arc; Rad; Deg; Pol; Rect; Deg ↔ Dec; Branch; Flag; Jump; Insert; Halt; & others
<b>SPECIAL FEATURES</b> Decimal System	Fixed & Floating; 13 digits; Round off; Round up; Truncate	Fixed & Floating; 13 digits; Round off; Round up; Truncate	Fixed & Floating; 13 digits; Round off; Round up; Truncate	Fixed & Floating; 13 digits; Round off; Round up; Truncate
<b>Indicators</b>	Overflow; Minus; Comma	Overflow; Minus; Comma	Overflow; Minus; Comma	Overflow; Minus; Comma
<b>Registers</b>	74 mem. regs.—std. up to 320 mem. regs.—opt.	74 mem. regs.—std. up to 512 mem. regs.—opt.	74 mem. regs.—std. up to 320 mem. regs.—opt.	74 mem. regs.—std. up to 320 mem. regs.—opt.
<b>Scientific Notation</b>	10 digit mantissa & 2 digit exponent	10 digit mantissa & 2 digit exponent	10 digit mantissa & 2 digit exponent	10 digit mantissa & 2 digit exponent
<b>Programming</b>	Keystroke level; 512 program steps std.— up to 2,560 prog. steps opt.; No prog. ret.	Keystroke level; 512 program steps std.— up to 4,096 prog. steps opt.; No prog. ret.	Keystroke level; 512 program steps std.— up to 2,560 prog. steps opt.; No prog. ret.	Keystroke level; 512 program steps std.— up to 2,560 prog. steps opt.; No prog. ret.
<b>Software Packages</b>	Math, banking, stat, acct, physics, & eng. prog. avail. from mfg. on a fixed fee basis	Math, banking, stat, acct, physics, & eng. prog. avail. from mfg. on a fixed fee basis	Math, banking, stat, acct, physics, & eng. prog. avail. from mfg. on a fixed fee basis	Math, banking, stat, acct, physics, & eng. prog. avail. from mfg. on a fixed fee basis
<b>I/O Devices</b>	Listing printer & mag card reader/rec.—std.; Punch card/mark card reader, typewriter/ kybd printer, & plotter—opt.	Listing printer & mag card reader/rec.—std.; Punch card/mark card reader, typewriter/ kybd printer, & plotter—opt.	Listing printer & mag card reader/rec.—std.; Punch card/mark card reader, typewriter/ kybd printer, & plotter—opt.	Listing printer & mag card reader/rec.—std.; Punch card/mark card reader, typewriter/ kybd printer, & plotter—opt.
<b>PHYSICAL FEATURES</b> Dimensions (HxWxD) Weight	7"x14½"x15" 22½ lbs.	7"x14½"x15" 22½ lbs.	7"x14½"x15" 22½ lbs.	7"x14½"x15" 22½ lbs.
<b>GENERAL INFORMATION</b> Date Introduced Pricing	August 1972 \$2,475.00	August 1972 \$2,975.00	August 1972 \$3,240.00	August 1972 \$3,240.00
<b>Warranty</b>	3 months parts & labor*	3 months parts & labor*	3 months parts & labor*	3 months parts & labor*
<b>COMMENTS</b>	*Thru 360 mfg. service centers	*Thru 360 mfg. service centers	*Thru 360 mfg. service centers	*Thru 360 mfg. service centers

Electronic Calculators—Programmable Models

COMPANY	Olivetti	Olivetti	Olivetti	Sharp
MODEL	P-101	P-602	P-652	CS-364 P-11
TYPE Output Programmability	Printout only Via keyboard & mag card—std.	Printout only Via keyboard & mag card—std.; Via punch paper tape & mag. tape cartridge—opt.	Printout only Via keyboard & mag card—std.; Via punch paper tape & mag. tape cartridge—opt.	Display & Printout Via keyboard & mag card.—std.; Via mark card—opt.
KEYBOARD Type	W. roll over indexing	W. roll over indexing	W. roll over indexing	Buffered
Keyboard Layout	C; $\sqrt{\quad}$ ; Reg A; Reg B; Reg C; Reg D; Reg E; Reg F; Split; Start; Rcd Pgm; Pr Pgm; $\diamond$ ; (*); & others	C; $\sqrt{\quad}$ ; Reg A; Reg B; Reg C; Reg D; Reg E; Reg F; Split; Start; Rcd Pgm; Pr pgm; $\diamond$ ; (*); & others	KbCl; Cl; Sto; Acc; Exch; $\sqrt{\quad}$ ; $\pi$ ; Sin; Cos; Tan; Arc; Log; Exp; ) ; ( ; Read; Write; Label; Print; Jump; Sub. Jump; Reg A; Reg N; Reg K; & others	C; CE; CM; MR; M+; M-; X $\leftrightarrow$ M; +/-; RC; $\sqrt{\quad}$ ; K; Data; Record; Enter; Verify; Prog sel; Cor prog; Start J If X $\neq$ 0; J If X < 0; J to sub; J receive; Halt; End; Print
SPECIAL FEATURES Decimal System	Fixed & Floating; 15 digits	Fixed & Floating; 15 digits	Fixed & Floating; 12 digits; Round off; Round up	Fixed & Floating; 15 digits; Round off; Round up; Truncate (mem. reg. & calc. reg. have ind. controls) Overflow; Minus; Comma; Memory
Indicators	Overflow; Minus	Overflow; Minus	Overflow; Minus	
Registers	10 memory registers	36 memory registers	120 mem. reg.—std. 240 mem. reg.—opt.	12 memory registers
Scientific Notation	Not available	Not available	12 digit mantissa & 2 digit exponent	Not available
Programming	Keystroke level; 240 prog. steps max; No prog. retention	Keystroke level; 768 prog. steps max; No prog. retention	Keystroke level; 1,800 prog. steps std.—3,600 prog. steps opt.; No prog. retention	Keystroke level; 288 prog. steps max; No prog. ret.
Software Packages	Math, banking, stat, acct, & eng programs avail. from mfg. on a fixed fee basis	Math, banking, stat, acct, & eng programs avail. from mfg. on a fixed fee basis	Math, banking, stat, acct, & eng programs avail. from mfg. on a fixed fee basis	Math, stat, banking, acct, physics, & eng avail. from mfg. & user group at no charge
I/O Devices	Listing printer & mag card reader/rec.—std.	Listing printer & mag card reader/rec.—std.; Mag tape cartridge drive, paper tape reader/punch, plotter, & typewriter/kybd printer—opt.	Listing printer & mag card reader/rec.—std.; Mag tape cartridge drive, paper tape reader/punch, plotter, & typewriter/kybd printer—opt.	Electronic dsp & mag card reader—std.; Listing printer & mark. card reader—opt.
PHYSICAL FEATURES Dimensions (HxWxD) Weight	7½"x19"x24" 65 lbs.	7½"x19½"x20½" 70 lbs.	7½"x9½"x20½" 70 lbs.	8"x14½"x14½" 26½ lbs.
GENERAL INFORMATION Date Introduced Pricing	October 1965 \$1,695.00	June 1971 \$2,725.00	September 1973 \$3,500.00	October 1972 \$1,495.00
Warranty	3 months parts & labor*	3 months parts & labor*	3 months parts & labor*	3 months parts & labor*
COMMENTS	*Thru 1,400 dealer & mfg. service centers	*Thru 1,400 dealer & mfg. service centers	*Thru 1,400 dealer & mfg. service centers	*Thru 83 mfg. service centers

Electronic Calculators—Programmable Models

COMPANY	Sharp	Sharp	Singer	Tektronix
MODEL	CS-365P	PC-1001	1155	Tek 21
TYPE Output Programmability	Display & Printout Via keyboard & mag card—std.; Via mark card—opt.	Display only Via keyboard only—std.	Printout only Via keyboard—std.; Via mag card—opt.	Display & Printout Via keyboard & mag card—std.
KEYBOARD Type	Buffered	Not available	Buffered; W. roll over indexing	—
Keyboard Layout	C; CE; CM; MR; M+; M-; X↔M; +/-; RC; √; K; Data; Record; Enter; Verify; Prog sel; Cor prog; Start; J If x ≠ 0; J If x \ 0; J to sub; J receive; Halt; End; Print	C; CE; CM; MR; M+; +/-; X→M; Sin; Cos; Tan; Sin <sup>-1</sup> ; Cos <sup>-1</sup> ; Tan <sup>-1</sup> ; Sinh; Cosh; Tanh; Deg; Rad; π; √x; Y <sup>X</sup> ; RC; Exp; Prog; Start; End; Halt	CE; Cl regs; Store; Recall; Acc Store; Deg; Rad; To Pol; To Rect; Sin; Cos; Tan; Arc; X <sup>2</sup> ; 1/x; √x; Log x; Ln x; e <sup>x</sup> ; A <sup>x</sup> ; π; Set dec; Go To; Insert; Delete; Write; Stop; & others	C; C Dsp; Pr Dsp; +/-; K; [ ]; Sin; Cos; Tan; Arc; Hyp; Log; Ln; Deg; Rad; Int x; X <sup>a</sup> ; 1/x; √x; X <sup>2</sup> ; e <sup>x</sup> ; π; Stop; Go to; Step; List; End; Learn f(x); FO; F1; F2; F3; F4; F5; F6; F7
SPECIAL FEATURES Decimal System	Fixed & Floating; 15 digits; Round off; Round up; Truncate (Mem. reg. & calc. reg. have ind. controls)	Floating; 9 digits	Fixed & Floating; 13 digits; Round off; Truncate	Fixed & Floating; 10 digits; Round off; Truncate
Indicators	Overflow; Minus; Comma; Memory	Overflow; Minus; Memory	Overflow; Minus	Overflow; Minus
Registers	24 memory registers	8 memory registers	20 mem. regs.—std. 100 mem. regs.—opt.	10 storage registers
Scientific Notation	Not available	10 digit mantissa & 2 digit exponent	13 digit mantissa & 2 digit exponent	10 digit mantissa & 2 digit exponent
Programming	Keystroke level—576 prog. steps max; No prog. ret.	Keystroke level—64 prog steps max; No prog. ret.	Keystroke level 512 prog. steps max; No prog. ret.	Formula level—128 prog. steps std.; up to 512 prog. steps opt.; No prog. ret.
Software Packages	Math, stat, banking, acct, physics, & eng programs avail. from mfg. & user group at no charge	Not available	Math, banking, stat, acct, physics; & eng programs available from mfg. at no cost	Math & stat programs avail. from mfg. on a fixed fee basis; Custom software avail. from mfg.*
I/O Devices	Electronic dsp & mag card reader—std.; Listing printer & mark card reader—opt.	Not available	Listing printer—std.; Mag card reader/rec. & plotter—opt.	Electronic dsp & mag card reader/rec.—std.; Listing printer; punch card reader, mark card reader, typewriter/kybd printer, paper tape reader, plotter & CRT— opt.
PHYSICAL FEATURES Dimensions (HxWxD) Weight	8"x14½"x14½" 26½ lbs.	4½"x5¾"x9¼" 3 lbs.	8¼"x15¼"x21¼" 42 lbs.	8"x14½"x20½" 32 lbs.
GENERAL INFORMATION Date Introduced Pricing	November 1972 \$1,995.00	July 1973 \$445.00	January 1973 \$2,595.00	August 1973 \$1,850.00
Warranty	1 year parts & labor*	1 year parts & labor*	1 year parts & labor*	1 year parts & labor**
COMMENTS	*Thru 83 mfg. service centers	*Thru 83 mfg. service centers	*Thru 160 mfg. service centers	*Using PROM to define ECAL to user specs; **Thru 53 mfg. service centers

Electronic Calculators—Programmable Models

COMPANY	Tektronix	Victor	Victor	Wang
MODEL	TEK 31	4500 & 4600	4700 & 4800	450
TYPE Output Programmability	Display & Printout Via keyboard & mag tape cassette—std.	Printout only Via keyboard—std. (4500); Via keyboard & mag card—std. (4600)	Printout only Via keyboard & mag card—std.	Display only Via keyboard—std.; Via punch card & mark sense card—opt.
KEYBOARD Type	—	Buffered; W.roll over Indexing	Buffered; W. roll over Indexing	Not applicable
Keyboard Layout	C; C Dsp; Pr. Dsp; +/-; K; [ ; ]; Sin; Cos; Tan; Arc; Hyp; Log; Ln; Deg; Rad; Int x; x <sup>a</sup> ; 1/x; x <sup>2</sup> ; e <sup>x</sup> ; x; $\pi$ ; Stop; Go to; List; Step; End; Fr tape; To tape; Reset; Delete; Flag; & Others	C; CA; MC/R; MR; M+; M-; M+=; M-=; M2; x + M2; EX; CS; N; $\sqrt{\quad}$ ; DS; %; #; $\diamond$ ; (*); End; Tag; Halt; Print; J Neg; J zero; J sub; List; Run; & others	C; CA; MC/R; MR; M+; M-; M+=; M-=; M2; Ex; CS; N; ; DS; %; #; $\diamond$ ; (*); End; Tag; Halt; Print; J neg; J zero; J sub; List; Run & Others	CD; +/-; EEx; 1/x; x <sup>2</sup> ; x; xI;  xI; a <sup>x</sup> ; e <sup>*</sup> ; 10 <sup>x</sup> ; 10 <sup>x</sup> ; -a; Log a <sup>x</sup> ; Log <sub>e</sub> x <sup>x</sup> ; Log x $\pi$ ; Std. dev; Mean; Go; Select; 2 [Store; Recall; Total; (-); (+); (- =); (x =) ]; & Others*
SPECIAL FEATURES Decimal System	Fixed & Floating; 10 digits; Round off; Truncate	Fixed & Floating; Flexi- mode; 13 digits; Round off	Fixed & Floating; Flexi- mode; 13 digits; Round off	Floating; 10 digits
Indicators	Overflow; Minus	Overflow; Minus; Memory	Overflow; Minus; Memory	Overflow; Minus
Registers	74 storage Regs. — std. up to 1,010 storage Regs. —opt.	2 memory registers; 6 storage registers	2 memory registers; 54 stor. Regs.—4700; 102 stor. Regs.—4800	24 mem. regs. — std. 56 mem. negs.—opt.
Scientific Notation	10 digit mantissa & 2 digit exponent	Not available	Not available	10 digit mantissa & 2 digit exponent
Programming	Formula level; 512 prog. steps std.—up to 8,192 prog. steps opt.; No prog. net.	Keystroke level; 128 prog. steps max.; no prog. net.	Keystroke level; 512 (4700) & 1,000 (4800) prog. steps max.	Keystroke level; 64 prog. steps—std; 320 prog. steps—opt; No prog. ret.
Software Packages	Math, stat, graphics; & instrumentation pro- grams avail. from mfg. on a fixed fee basis; Cust. soft. avail.*	Math, banking, stat, acct., eng; & Financial prog. avail. from mfg. on a fixed fee basis	Math, banking, stat, acct.; eng; & Financial prog. avail. from mfg. on a fixed fee basis	Math, banking, stat, acct, physics, eng, & business related prog. avail. from mfg. & user group
I/O Devices	Electronic dsp. & mag. tape cassette—std; Listing printer, punch card read- er, mark card reader; typewriter/kybd printer; paper tape reader, plot- ter & CRT—opt.	Listing printer—std. (4500); Listing printer & mag card reader/rec.— std. (4600)	Listing printer & mag card reader/rec.—std.	Electronic dsp—std; Mark card & Punch card reader—opt.
PHYSICAL FEATURES Dimensions (HxWxD) Weight	8" x 14½" x 20½" 32 lbs.	6½" x 11½" x 18" 22 lbs.	6½" x 11½" x 18" 22 lbs.	5" x 12" x 14" 12 lbs.
GENERAL INFORMATION Date Introduced Pricing	August 1973 \$2,850.00	— \$995.00—4500 \$1,295.00—4600	— \$1,595.00—4700 \$1,995.00—4800	July 1972 \$900.00
Warranty	1 year parts & labor**	1 year parts & labor*	1 year parts & labor*	1 year parts & 90 days labor**
COMMENTS	*Using PROM to define ECAL to user specs.; **Thru 53 mfg. service centers	*Thru 850 mfg. service centers	*Thru 850 mfg. service centers	*Incl. 16 user define- able special function keys; **Thru 80 mfg. service centers



Electronic Calculators—Programmable Models

COMPANY	Wang	Wang	Wang	Wang
MODEL	452	460	600-2	600-6
TYPE Output Programmability	Display only Via keyboard—std. Via punch card & mark sense card—opt.	Display only Via keyboard—std. Via punch card & mark sense card—opt.	Display & Printout Via keyboard—std; Mag tape cassette, mark/punch card, paper tape, Fixed/ rem. disk & floppy disk—opt. Buffered	Display & Printout Via kybd—std; mag tape cassette, mark/ punch card, paper tape; Fixed/rem. disk & floppy disk—opt. Buffered
KEYBOARD Type	Not applicable	Not applicable		
Keyboard Layout	CD; +/-; EEX; 1/x; x <sup>2</sup> ; √x; x!;  x ; a <sup>x</sup> ; 10 <sup>x</sup> ; e <sup>x</sup> ; Sin; Cos; Tan; Sin <sup>-1</sup> ; Cos <sup>-1</sup> ; Tan <sup>-1</sup> ; Sinh; Cosh; Tanh; Sinh <sup>-1</sup> ; Cosh <sup>-1</sup> ; Tanh <sup>-1</sup> ; Deg↔ Rad; Pol ↔ Rect; Log <sub>e</sub> x; Log <sub>a</sub> x; Log <sub>x</sub> ; π; & Others*	CD; +/-; EEX; 1/x; √x; e <sup>x</sup> ; a <sup>x</sup> ; π; Log <sub>e</sub> x; x(i); y(i); F(i); n!; Perm; Comb; Poisson; Norm dist; Inv dist; Std. dev; Std error; F-test; & Others*	CD; +/-; EEX; 1/x; Sin; Cos; Sin <sup>-1</sup> ; Cos <sup>-1</sup> ; Deg ↔ Rad; e <sup>x</sup> ; 10 <sup>x</sup> ; x <sup>2</sup> ; √x; Int x;  x ; Log <sub>e</sub> x; Load prog; J zero; J neg; J pos; Search; Go; Shift; Stop; Store; Return; Print & Others*	CD; +/-; EEX; 1/x; Sin; Cos; Sin <sup>-1</sup> ; Cos <sup>-1</sup> ; Deg ↔ Rad; e <sup>x</sup> ; 10 <sup>x</sup> ; x <sup>2</sup> ; √x; Int x;  x ; Log <sub>e</sub> x; Load prog; J zero; J neg; J pro; Search; Go; Shift; Stop; Store; Return; Print & Others*
SPECIAL FEATURES Decimal System	Floating; 10 digits	Floating; 10 digits	Floating; 10 digits	Floating; 10 digits
Indicators	Overflow; Minus	Overflow; Minus	Overflow; Minus	Overflow; Minus
Registers	24 mem. regs—std. 56 mem. regs—opt.	24 mem. regs—std. 56 mem. regs—opt.	55 mem. regs—std. 103 mem. regs—opt.	119 mem. regs—std. 231 mem. regs—opt.
Scientific Notation	10 digit mantissa & 2 digit exponent	10 digit mantissa & 2 digit exponent	10 digit mantissa & 2 digit exponent	10 digit mantissa & 2 digit exponent
Programming	Keystroke level; 64 prog. steps—std; 320 prog. steps—opt; No prog. ret.	Keystroke level; 64 prog. steps—std; 320 prog. steps—opt; No prog. ret.	Keystroke level; 312 prog. steps—std; 824 prog. steps—opt; No prog. ret.	Keystroke level; 824 prog. steps—std; 1,848 prog. steps—opt. No prog. ret.
Software Packages	Math, banking, stat, acct, physics, eng, & business related prog. avail. From mfg & user group	Math, banking, stat, acct, physics, eng, & business related prog. avail. From mfg & user group	Math, banking, stat, acct, physics, medicine, eng, surveying & other prog. avail. From mfg. & user group	Math, banking, stat, a acct, physics, medicine, eng, surveying & other prog. avail. From mfg. & user group
I/O Devices	Electronic dsp. std; Mark card & Punch card reader—opt.	Electronic dsp. std; Mark card & Punch card reader—opt.	Electronic dsp. & Listing printer—std; Mag tape cassette drive, line printer, punch/mark card reader, Fixed/rem. disk, floppy disk, plotter & others	Electronic dsp & Listing printer—std; Mag tape cassette drive, line printer, punch/mark card reader, Fixed/rem. disk, floppy disk, plotter & others
PHYSICAL FEATURES Dimensions (HxWxD) Weight	5" x 12" x 14" 12 lbs.	5" x 12" x 14" 12 lbs.	9" x 20" x 20½" 39 lbs.	9" x 20" x 20½" 39 lbs.
GENERAL INFORMATION Date Introduced Pricing	July 1972 \$1,200.00	July 1972 \$1,200.00	March 1972 \$2,600.00	March 1972 \$2,900.00
Warranty	1 year parts & 90 days labor**	1 year parts & 90 days labor**	1 year parts & 90 days labor**	1 year parts & 90 days labor**
COMMENTS	*Incl. 16 user defineable special functions keys; **Thru 80 mfg. service centers	*Incl. 16 user defineable special function keys; **Thru 80 mfg. service centers	*Incl. 16 user defineable special function keys; **Thru 80 mfg. service centers	*Incl. 16 user defineable special function keys; **Thru 80 mfg service centers

Electronic Calculators—Programmable Models

COMPANY	Wang	Wang	Wang	Wang
MODEL	600-14	700B	720B	700C
TYPE Output Programmability	Display & Printout Via kybd—std; Mag tape cassette, mark/punch card, paper tape, fixed/rem. disk & floppy disk—opt.	Display & Printout* Via kybd & mag tape cas- sette—std; punch/mark card & paper tape—opt.	Display & Printout* Via kybd; & mag tape cas- sette—std; punch/mark card & paper tape—opt.	Display & Printout* Via kybd & mag tape cassette—std; punch/ mark card, paper tape, fixed/rem. & floppy disk —opt.
KEYBOARD Type	Buffered	Buffered	Buffered	Buffered
Keyboard Layout	CD; +/-; EEX; 1/x; Sin; Cos; Sin <sup>-1</sup> ; Cos <sup>-1</sup> ; Sin <sup>1</sup> ; Deg ↔ Rad; e <sup>x</sup> ; 10 <sup>x</sup> ; x <sup>2</sup> ; √x; Int x;  x ; Log <sub>e</sub> <sup>x</sup> ; Load prog; J zero; J neg; J pos; Search; Go; Shift; Stop; Store; Return; Print & Others*	CD; +/-; EEX; 1/x; Sin; Cos; Tan; Sin <sup>-1</sup> ; Cos <sup>-1</sup> ; Tan <sup>-1</sup> ; Sinh; Cosh; Tanh; Sinh <sup>-1</sup> ; Cosh <sup>-1</sup> ; Tanh <sup>-1</sup> ; π Pol ↔ Rect; Deg ↔ Rad; e <sup>x</sup> ; 10 <sup>x</sup> ; x <sup>2</sup> ; √x; Stop; Go; Mark; Return; Learn; Run; Rewind; List Prog. & Others**	CD; +/-; EEX; 1/x; Sin; Cos; Tan; Sin <sup>-1</sup> ; Cos <sup>-1</sup> ; Tan <sup>-1</sup> ; Sinh; Cosh; Tanh; Sinh <sup>-1</sup> ; Cosh <sup>-1</sup> ; Tanh <sup>-1</sup> ; π; Pol ↔ Rect.; Deg ↔ Rad; e <sup>x</sup> ; 10 <sup>x</sup> ; x <sup>2</sup> ; √x; Stop; Go; Mark; Return; Learn; Run; Rewind; List Prog; & others**	CD; +/-; EEX; 1/x; Sin; Cos; Tan; Sin <sup>-1</sup> ; Cos <sup>-1</sup> ; Tan <sup>-1</sup> ; Sinh; Cosh; Tanh; Sinh <sup>-1</sup> ; Cosh <sup>-1</sup> ; Tanh <sup>-1</sup> ; π; Pol ↔ Rect.; Deg ↔ Rad; e <sup>x</sup> ; 10 <sup>x</sup> ; x <sup>2</sup> ; √x; Stop; Go; Mark; Return; Learn; Run; Rewind; List Prog; & Others**
SPECIAL FEATURES Decimal System	Floating; 10 digits	Floating; 10 digits	Floating; 10 digits	Floating; 10 digits
Indicators	Overflow; Minus	Overflow; Minus	Overflow; Minus	Overflow; Minus
Registers	274 mem. regs.—std. 8,493 mem. regs.—opt.	120 memory registers	248 memory registers	120 mem. regs.—std. up to 8,312 mem. regs.—opt.
Scientific Notation	10 digit mantissa & 2 digit exponent	12 digit mantissa & 2 digit exponent	12 digit mantissa & 2 digit exponent	12 digit mantissa & 2 digit exponent
Programming	Keystroke level; 1,848 prog. steps—std; up to 67,384 prog. steps—opt; No prog. ret.	Keystroke level; 960 prog. steps max; prog. is re- tained in memory when power turned off	Keystroke level; 1,984 porg. steps max; prog. is retained in memory when power turned off	Keystroke level; 960 prog. steps—std; up to 525,248 prog. steps— opt; prog. is retained when power turned off
Software Packages	Math, banking, stat, acct, physics, medicine, eng, surveying & other prog. avail. from mfg. & user group	Math, banking, stat, acct, physics, medicine, eng, surveying & other prog. avail. from mfg. & user group	Math, banking, stat, acct, physics, medicine, eng, surveying & other prog. avail. from mfg. & user group	Math, banking, stat, acct, physics, medicine, eng, surveying & other prog. avail. from mfg. & user group
I/O Devices	Electronic dsp. & listing printer—std; Mag tape cassette drive, line print- er, punch/mark card reader, Fixed/rem. disk, floppy disk, plotter & others—opt.	Electronic dsp & mag tape cassette drive—std; Line printer, punch/mark card reader, typewriter/kybd. printer; paper tape reader, & plotter opt.	Electronic dsp & mag tape cassette drive—std; Line printer, punch/mark card reader, typewriter/kybd. printer; paper tape reader, & plotter opt.	Electronic dsp & mag tape cassette drive—std; Line printer, punch/mark card reader, typewriter/kybd. printer; paper tape reader, plotter, floppy & fixed/rem. disk—opt.
PHYSICAL FEATURES Dimensions (HxWxD) Weight	9" x 20" x 20½" 39 lbs.	9" x 20" x 20½" 39 lbs.	9" x 20" x 20½" 39 lbs.	9" x 20" x 20½" 39 lbs.
GENERAL INFORMATION Date Introduced Pricing	March 1972 \$3,500.00	February 1970 \$5,000.00	February 1970 \$6,800.00	February 1970 \$5,200.00
Warranty	1 year parts & 90 days labor**	1 year parts & 90 days labor***	1 year parts & 90 days labor***	1 year parts & 90 days labor***
COMMENTS	*Incl. 16 user defineable special function keys; **Thru 80 mfg. service centers	*Two line display; No listing printer; **Incl. 16 user defineable special function keys; ***Thru 80 mfg. service centers	*Two line display; No listing printer; **Incl. 16 user defineable special function keys; ***Thru 80 mfg. service centers	*Two line display; No listing printer; **Incl. 16 user defineable special function keys; ***Thru 80 mfg. service centers

Electronic Calculators—Programmable Models

COMPANY	Wang	Wang	Wang
MODEL	720C	2200A	2000B
TYPE Output Programmability	Display & Printout* Via kybd & mag tape cassette—std.; Punch/ mark card, paper tape; fixed/rem. disk, & opt.	Display & Printout Via kybd, mag tape cassette, mark card & floppy disk—opt.	Display & Printout Via kybd, mag tape cassette, punch/mark card, fixed/rem. disk, & Floppy disk—opt.
KEYBOARD Type	Buffered	—	—
Keyboard Layout	CD; +/-; EEX; 1/x; Sin; Cos; Tan; Sin <sup>-1</sup> ; Cos <sup>-1</sup> ; Tan <sup>-1</sup> ; Sinh; Cosh; Tanh; Sinh <sup>-1</sup> ; Cosh <sup>-1</sup> ; Tanh <sup>-1</sup> ; $\pi$ ; Pol $\leftrightarrow$ Rect; Deg $\leftrightarrow$ Rad; e <sup>x</sup> ; 10 <sup>x</sup> ; x <sup>2</sup> ; $\sqrt{x}$ ; Stop; Go; Mark; Return; Learn; Run; Rewind; List Prog; & Others**	Typewriter & adding machine clusters; Sin; Cos; Tan; Arc; Log; EEX; $\pi$ ; x <sup>2</sup> ; $\sqrt{x}$ ; Print; Halt; Step; Erase; Cont; Exec; Return; Go to sub; End; Save; Run; List; Load; Select; & Others*	Typewriter & adding machine clusters; Sin; Cos; Tan; Arc; Log; EEX; $\pi$ ; x <sup>2</sup> ; $\sqrt{x}$ ; Print; Halt; Step; Erase; Cont; Exec; Return; Go to sub; End; Save; Run; List; Load; Select; & Others*
SPECIAL FEATURES Decimal System	Floating; 10 digits	Floating; 13 digits	Floating; 13 digits
Indicators	Overflow; Minus	Overflow; Minus; Comma	Overflow; Minus; Comma
Registers	248 mem. regs.—std. up to 8,440 mem. regs.—opt.	—	—
Scientific Notation	12 digit mantissa & 2 digit exponent	10 digit mantissa & 2 digit exponent	10 digit mantissa & 2 digit exponent
Programming	Keystroke level; 1,984 prog. steps—std.; up to 526,272 prog. steps— opt; Prog. is retained when power turned off	BASIC Level; 4,096 prog. steps—std; up to 32,588 prog. steps—opt; No prog. ret.	BASIC Level; 4,096 prog. steps—std; up to 32,588 prog. step— opt; No prog. ret.
Software Packages	math, banking, stat, acct, physics, medicine, eng, surveying & other prog. avail. from mfg. & user group	Math, banking, stat, acct, physics, medicine, eng, surveying & other prog. avail. from mfg. & user group	Math, banking, stat, acct, physics, medicine, eng, surveying & other prog. avail. from mfg. & user group
I/O Devices	Electronic dsp & mag tape cassette drive—std; Line printer, punch/mark card reader, typewriter/kybd. printer; paper tape reader, plotter, floppy & fixed/rem. disk—opt.	CRT, mag tape cassette drive, line printer, mark card reader, typewriter/ kybd. printer, & floppy disk—opt.	CRT, mag tape cassette drive, line printer, mark card reader, typewriter/ kybd printer, floppy disk, punch card reader, fixed/rem. disk & plotter—opt.
PHYSICAL FEATURES Dimensions (HxWxD) Weight	9" x 20" x 20½" 39 lbs.	9¾" x 17" x 16" 24 lbs.	9¾" x 17" x 16" 24 lbs.
GENERAL INFORMATION Date Introduced Pricing	February 1970 \$5,200.00	June 1973 \$3,900.00	June 1973 \$4,800.00
Warranty	1 year parts & 90 days labor***	1 year parts & 90 days labor**	1 year parts & 90 days labor**
COMMENTS	*Two line display; No listing printer; **Incl. 16 user defineable special function keys; ***Thru 80 mfg. service centers	*Incl. 16 user defineable special function keys; **Thru 80 mfg. service centers	*Incl. 16 user defineable special function keys; **Thru 80 mfg. service centers

