

TIME

Recalls the current time to the X-register (24-hour time format). If executed from the keyboard, also displays the time.

Stopwatch Mode Operation

SW

Switches the calculator to Stopwatch mode and reassigns the keyboard to the following Stopwatch mode functions:

Change Rnn or Dnn	nn (n = digit key)
Clear Halted Stopwatch	
Exit Stopwatch Mode	
Next Rnn or Dnn	
Preceding Rnn or Dnn	
Record Split	
Start/Stop Stopwatch	
Register Pointer On/Off	
Split Difference On/Off	
Split Recall On/Off	
Three-Digit Pointer On/Off	

Stopwatch Operation Out of Stopwatch Mode

The following four functions operate only when the calculator is not set to Stopwatch mode.

RCLSW

Recalls the current Stopwatch time to the X-register.

RUNSW

Causes the stopwatch to begin running.

SETSW

Sets the stopwatch to the starting time in the X-register ($-99.595999 \leq t \leq 99.595999$).

STOPSW

Halts the stopwatch.

Date Format Table

Setting	Input* and Output Format (6 Display)	Display When Executed From Keyboard
 	MM.DDYYYY DD.MMYYYY	MM/DD/YY day DD.MM.YY day
*Input must be a positive number. All trailing digits after the year must be zero; otherwise an error message will result.		

HP 82182A Time Module Quick Reference Card

While the HP 82182A Time Module is plugged into the calculator, the time module clock and stopwatch are available for your use. All of the clock and stopwatch functions are programmable except where noted otherwise.

Alarm Functions

ALMCAT

Lists all pending and past-due clock alarms. Pressing during an **ALMCAT** listing halts the calculator in **ALMCAT** mode and redefines the keyboard to the following nonprogrammable alarm catalog functions (the **ALPHA** key is not used):

Delete alarm	
Display:	
Alarm Date	
Alarm Time	
Alarm Message, Label, or Function	
Alarm Repeat Interval	
Current Time	
Next Alarm and Message, Label, or Function	
Preceding alarm and Message, Label, or Function	
Exit Alarm Catalog Mode	
Reset Alarm Using Specified Repeat Interval	
Resume ALMCAT Listing	



HEWLETT
PACKARD

1000 N.E. Circle Blvd., Corvallis, OR 97330, U.S.A.

©Hewlett-Packard Company 1981

82182-90002

Printed in U.S.A. 11/81

ALMNOW

Activates the oldest past-due program or function alarm in memory.

XYZALM

Sets an alarm using the parameters in the stack and ALPHA registers, as follows:

Stack Parameters

Z	Repeat Interval
Y	Date
X	Time

Z-Register: 0 = No Repeat

Y-Register: 0 = Current Date

ALPHA Parameter Options

Blank

Message

↗ label or ↗ function

↗ label or ↗ function

↗ label or ↗ function = Interrupting Control Alarm

↗ label or ↗ function = Noninterrupting Control Alarm

(A “function” specified in any alarm must be a programmable function belonging to a plug-in device.)

ALPHA Date and Time Functions

ADATE

Appends the number in the X-register to the ALPHA register in date format. The number of digits varies according to the number of digits in the display setting.

ATIME

Appends the number in the X-register to the ALPHA register in **CLK12** or **CLK24** time format. The number is truncated according to the number of digits in the display setting.

ATIME24

Operates the same as **ATIME**, except that the number appended will always appear in the **CLK24** time format.

Clock Functions

CLK12

Switches the calculator to the 12-hour time display format.

CLK24

Switches the calculator to the 24-hour time display format.

CLKT

Switches the clock to the time-only display format.

CLKTD

Switches the clock to the time and date display format.

CLOCK

or

ON

Displays the clock.

CORRECT

Performs the same operation as **SETIME** and automatically adjusts the accuracy factor.

DATE

Recalls the current date to the X-register. If executed from the keyboard, the date and day are displayed.

DATE+

Calculates a new date by combining a date in the Y-register with a number of days in the X-register. Refer to the Date Format Table on the back page.

DDAYS

Calculates the number of days between a date in the X-register and a date in the Y-register. Refer to the Date Format Table on the back page.

DMY

Switches the date input/output to Day-Month-Year format; sets flag 31. Refer to the Date Format Table on the back page.

DOW

Replaces a date in the X-register with the corresponding number for the day of the week (0 = Sunday;...; 6 = Saturday). When executed from the keyboard, **DOW** also displays the day of the week.

MDY

Switches the date input/output to Month-Day-Year format; clears flag 31. Refer to the Date Format Table on the back page.

RCLAF

Recalls the clock accuracy factor to the X-register.

SETAF

Sets the clock accuracy factor using a number in the range $-99.9 \leq x \leq 99.9$.

SETDATE

Sets the clock date to the date specified in the X-register. Refer to the Date Format Table on the back page.

SETIME

Sets the clock to the time in the X-register.

0.000000 through 11.595999	= A.M.
12.000000 through 23.595999	} = P.M.
-1.000000 through -11.595999	

T+X

Changes the clock time by the time value in the X-register, according to the $\pm\text{HHMM.MSSShh}$ format. The date will change if the time change crosses a date boundary.