

# CASIO FM-300

## INSTRUCTION MANUAL MANUAL DE INSTRUCCION

(英)(西)

MO0303074A Printed in Japan

English

Thank you very much for your selection of the Casio FM-300 calculator. In order to ensure proper operation of this marvel of electronics engineering, be sure to carefully read this manual and follow the instructions contained herein. Keep this manual on hand for later reference.

### PRECAUTIONS

- This unit is constructed of precision electronic components and therefore should not be exposed to temperature extremes, sudden temperature changes, bending, twisting, or strong impacts.
- The battery should be removed from the unit if it becomes exhausted. Be sure to replace the battery every two years regardless of how much it is used to avoid the chance of malfunctions due to battery leakage. Never allow batteries to be incinerated.
- Note that the manufacturer assumes no responsibility for any loss or claims by third parties which may arise through the use of this unit.
- Note that the manufacturer assumes no responsibility for any damages incurred as a result of data loss caused by malfunctions, repairs or battery replacements. Physical records of important data should be prepared to protect against such data losses.
- Always perform calculations by pressing the correct keys while monitoring results on the display.

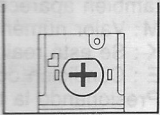
**CAUTION:** Never bend the unit in the opposite direction as shown right. This could split the case, or break internal circuitry.



### BATTERY REPLACEMENT

Note that either battery replacement or the reset operation will erase all data stored in the unit. Important data should be copied down on paper in advance of these operations.

- This unit is powered by one lithium battery (CR2016).
- The following procedure should be performed when the display of the unit becomes difficult to read:
  - Press the **OFF** key to turn the power of the unit OFF.
  - Remove the battery compartment cover on the back of the unit after loosening the screw holding it in place.
  - Remove the old battery.
  - Press the reset button (RESET) on the front of the unit with a thin, pointed object for at least 4 seconds.
  - Wipe the surface of a new battery with a soft, dry cloth and load it into the compartment so that the positive pole (+) is facing upwards.
  - Replace the battery compartment cover and replace the screw while pressing down on the battery.
  - Press the **ON** key to turn power ON and then press the reset button again. Note that this operation will erase all data stored in the unit.



\* If the operation in step ⑦ does not cause "0." to appear on the display, repeat steps ① through ⑦.

**IMPORTANT:** Keep batteries out of the reach of small children. Contact a physician immediately if inadvertently swallowed.

### AUTO POWER OFF FUNCTION

The power of the unit is automatically switched off approximately 6 minutes after the last key operation. Once this occurs, power can be restored by pressing the **ON** key. Both stored data and memory contents are maintained when power is switched off by the auto power off function or by pressing the **OFF** key.

### FORMULA STORAGE FUNCTION

The handy formula storage function of this unit makes it possible to perform calculations by simply entering values for variables contained in previously stored formulas. A total of three different formulas (P1, P2, P3) can be stored up to a total of 76 steps.

\* Formulas are executed by this calculator as they are written, from left to right. Expressions contained within parentheses, however, are given priority (they are executed first), so multiplication or division operations which are to be performed first to attain the desired results should be enclosed within parentheses.

### VARIABLES

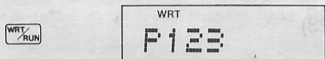
Up to 7 variables can be used, represented by the letters A through G, and variable G can be used repeatedly (see REPEAT VARIABLE FUNCTION).

**Example:**

	UNIT PRICE	QUANTITY	AMOUNT
ITEM A	1000	60	
ITEM B	1500	45	
ITEM C	800	150	

### FORMULA INPUT

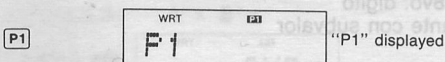
- Press the **WRT** key to enter the WRT mode (WRT displayed).



The display illustrated above indicates that memory areas P1, P2, and P3 are all available for formula storage.

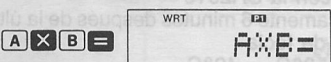
- Failure of this display to appear indicates that the memory areas already contain formulas. Delete one of the existing formulas to make room for the new one (see FORMULA CLEAR).

- Press one of the memory area keys (P1, P2, P3) to select an area. Here, P1 will be used for storage of the formula.



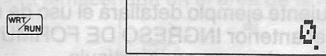
- Enter the formula (AMOUNT = UNIT PRICE × QUANTITY). Assigning the variable A to unit price and B to quantity results in the following formula:

**FORMULA:**  $A \times B =$



\* Be sure to enter "=" at the end of the formula when a display of the result is required.

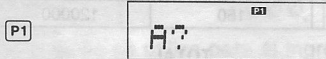
- Once the formula is entered, enter the RUN mode. Confirm that "0." is shown on the display.



### FORMULA EXECUTION

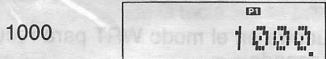
Formula execution is performed in the RUN mode.

- Press a memory area key to execute the formula stored in that area. Here, P1 will be pressed to execute the formula stored in memory area P1 in the preceding example.

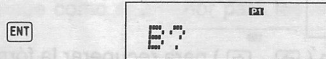


- The memory area symbol shown on the display indicates the memory area for the formula currently being executed.

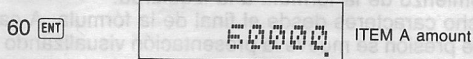
- Enter the unit price 1000 for ITEM A in response to the prompt "A?".



The **ENT** key is used for data input.



- The value currently assigned to the variable (the latest value assigned) is entered when the **ENT** key is pressed without assigning a new value.



Continue as above for items B and C.



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Filling the results obtained above into the table prepared in the preceding example results in the following:

	UNIT PRICE	QUANTITY	AMOUNT
ITEM A	1000	60	60000
ITEM B	1500	45	67500
ITEM C	800	150	120000

- When digit overflow occurs during formula execution, the approximate value display does not appear, and further execution of the current formula becomes impossible even if the error is cleared (see ERROR CHECK).

### SPECIAL COMMANDS

#### • HLT COMMAND

The HLT can be used to temporarily halt execution of a formula and display the result obtained up to that point. This command is useful when multiple results are needed from a single formula. The following example is presented assuming storage of the formula in memory area P2.

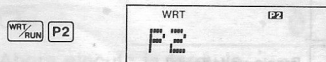
**Example:** Display the result of  $A + B$ , and then add the result to the square of A.

This problem is solved using the following formula:

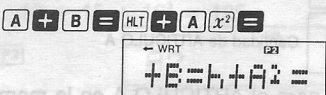
$$A + B = h + A^2 =$$

└── HLT command

- Specify P2 while in the WRT mode.



- Enter the formula.



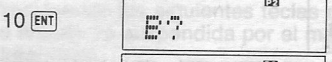
- Once input is complete, enter the RUN mode.



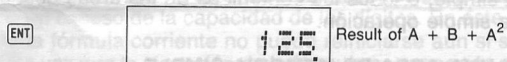
- Now execute the formula.

$$10 + 15 = 25$$

$$10 + 15 + 10^2 = 125$$



- The result of  $A + B$  is displayed and execution is suspended by the HLT command. Press the **ENT** key to cancel the HLT command and resume execution.



- Pressing the following keys while formula execution is suspended by the HLT command terminates execution entirely.

**AC**, **MC**, **P1**, **P2**, **P3**, **OFF**

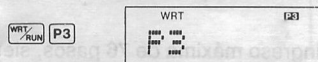
- The approximate value display appears when key operation results in a digit overflow during HLT command execution. The error is cleared by pressing **CE**, and formula execution can be resumed. The approximate value display does not, however, appear when formula execution results in a digit overflow. In this case, execution of the current formula cannot be resumed even if the error is cleared.
- Once formula execution is suspended by the HLT command, an attempt to execute another formula will clear the first formula, giving the second formula priority.

#### • REPEAT VARIABLE FUNCTION

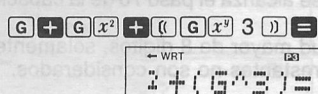
Execution of a formula which contains variables A through F causes the calculator to ask for input values once for each variable, even if one variable appears more than once. Variable G, on the other hand, is prompted as many times as it appears in a formula.

**Example:** Enter  $G + G^2 + G^3 =$  into area P3.

- Specify P3 while in the WRT mode.



- Enter the formula.



- Return to the RUN mode once input is complete.

