



Casio HR-100TM Mini Desktop Printing Calculator User's Guide

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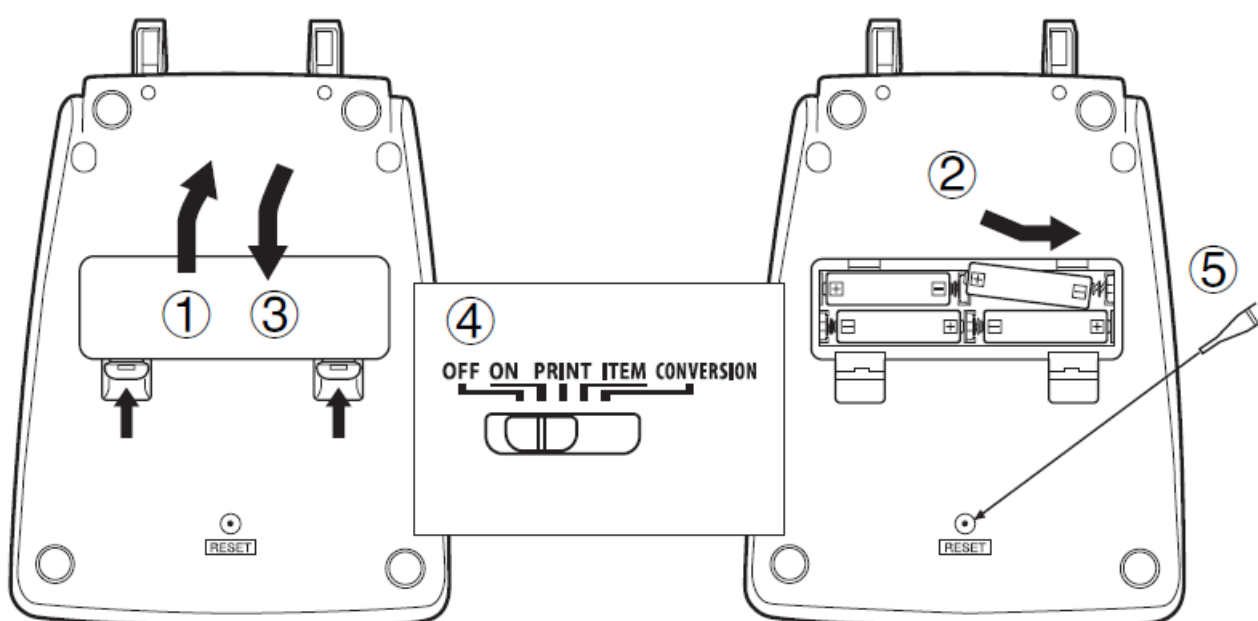
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CASIO®

Casio HR-100TM Mini Desktop Printing Calculator

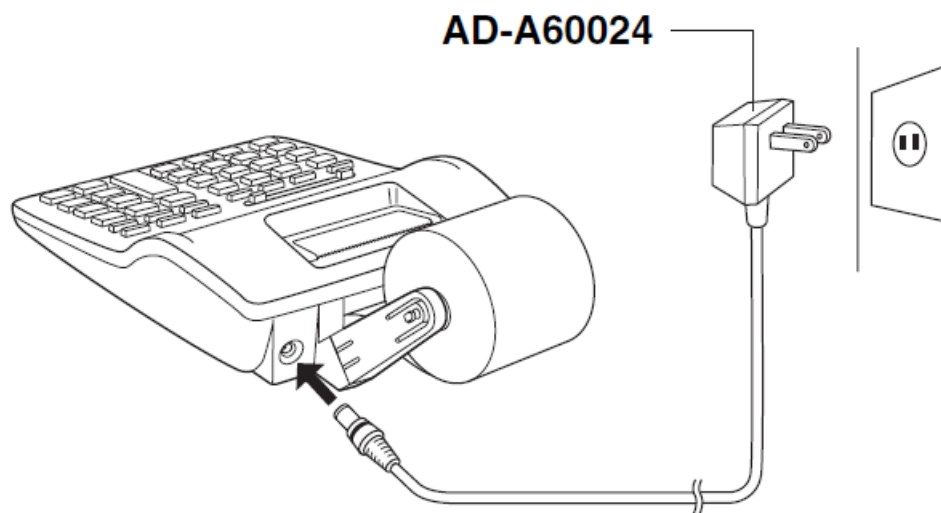


To Load Batteries



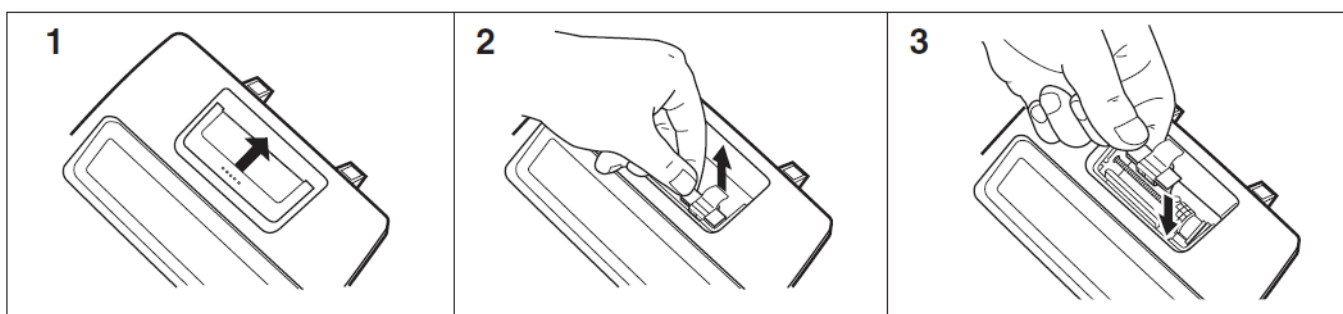
- Be sure that + and – poles of each battery are facing in the proper direction.

AC Operation

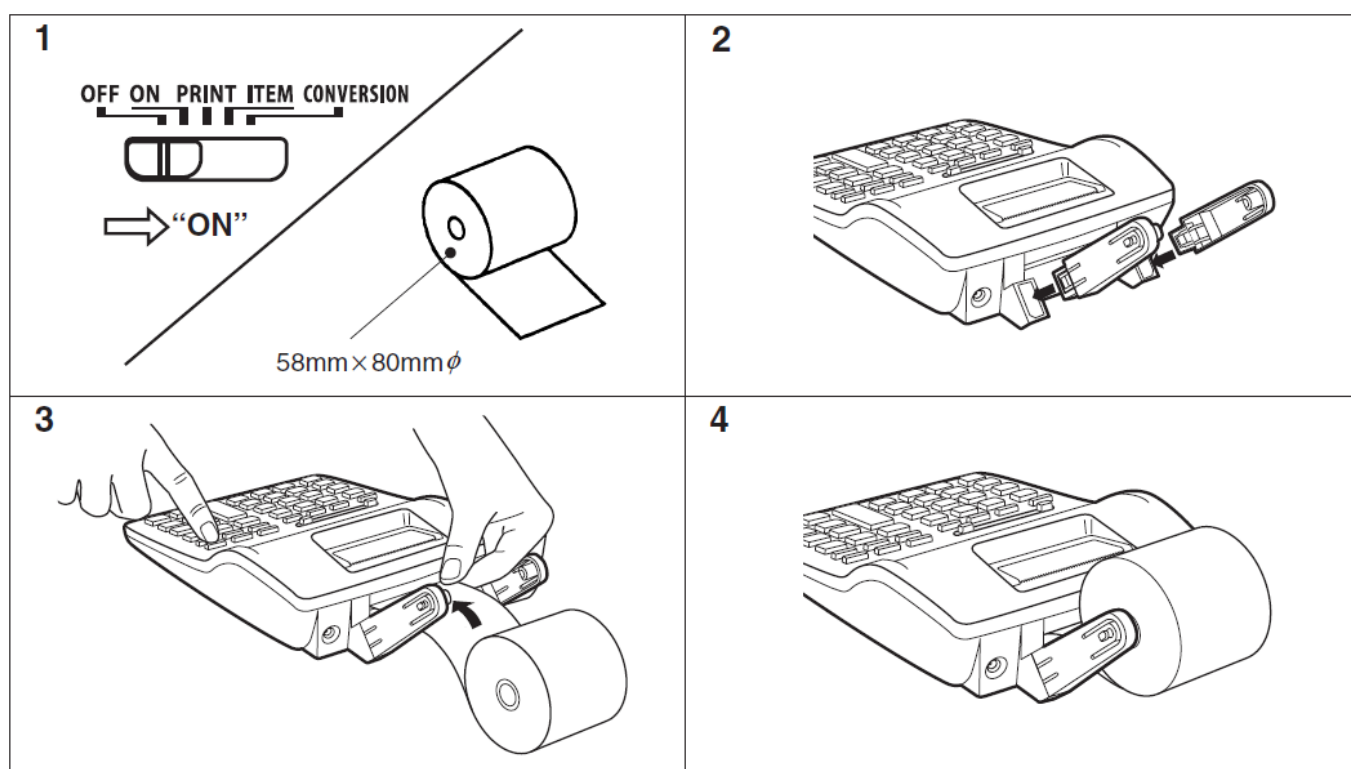


Replacing the Ink Roller /Loading the Paper

Replacing the Ink Roller (IR-40T)



Loading the Paper Roll



- Be sure to keep all user documentation handy for future reference.

NOTICE: Handling the Calculator

- Never try to take the calculator apart.
- When using paper, be sure you install it correctly.
- To clean the calculator, wipe it off with a soft cloth.
- Switch power off after use or if you do not plan to use the calculator. It is best to unplug from the AC outlet if you do not plan to use the calculator for a long time.
- In no event will CASIO and its suppliers be liable to you or any other person for any damages, including any incidental or consequential expenses, lost profits, lost saving or any other damages arising out of use of this product.

Battery Operation

Any of the following indicates low battery power. Switch the power off and replace the batteries for normal operation.

- Dim display
- Printing problems

Important: Note the following to avoid battery leakage and damage to the unit.

- Never mix batteries of different types.
- Never mix old batteries and new ones.
- Never leave dead batteries in the battery compartment.
- Remove batteries if you do not plan to use the calculator for a long time.
- Do not expose batteries to heat, let them become shorted, or try to take them apart.
 - * Should batteries leak, clean out the battery compartment immediately. Avoid letting the battery fluid come into direct contact with your skin.
 - * Keep batteries out of the reach of small children. If swallowed, consult with a physician immediately.

AC Operation

Important

- The adaptor normally becomes warm when it is being used.
- Unplug the adaptor from the AC outlet when you are not using the calculator.
- Make sure the calculator power is switched off when connecting or disconnecting the adaptor.
- Using another adaptor besides AD-A60024 can damage your calculator.
 - * Damage caused by using any other type of adaptor is not covered by your warranty.

About the Input Buffer

- The input buffer of this calculator can hold up to 12 key operations (both number entries and function

commands), so you can continue key input even while another operation is being processed.






RESET Button

- Pressing the RESET button deletes independent memory contents, conversion rate settings, tax rate settings, etc. Be sure to keep separate records of all important settings and numeric data to protect against accidental loss.
- Press the RESET button on the back of the calculator to restore normal operation whenever the calculator does not operate correctly.
- If pressing the RESET button does not restore normal operation, contact your original retailer or nearby dealer.

GENERAL GUIDE

About the Selectors

Function Selector

- **OFF:** Power is off.
- **ON:** Power is on, but no printing is performed except when  is pressed to print a reference number. Calculations appear on the display only.
- **PRINT:** Power is on and printing is activated. Calculations also appear on the display. You cannot perform currency conversion calculations.
- **ITEM:** Power is on and printing is activated. The total number of addition and subtraction items is printed with the result when  and  are pressed. The number of  operations is printed with the result when  is pressed.
- **CONVERSION:** Power is on and printing is activated. Calculations also appear on the display. You cannot use the independent memory functions (q, w, E, y).

Decimal Mode Selector

- **F:** Floating decimal.
- **3:** Cut off (0, 1, 2, 3, 4) or round-up (5, 6, 7, 8, 9) to three decimal places.
- **2:** Cut off (0, 1, 2, 3, 4) or round-up (5, 6, 7, 8, 9) to two decimal places.
- **0:** Cut off (0, 1, 2, 3, 4) or round-up (5, 6, 7, 8, 9) decimal part.
- **ADD 2:** ADD Mode calculations always add two decimal places, except when the Decimal Mode Selector is at "F".

Important: All input and calculations are rounded for addition and subtraction. For multiplication and division, the calculation is performed with values as input, and the result is rounded.

Specifications

- **Ambient temperature range:** 0°C to 40°C (32°F to 104°F)

- Power supply:
 - **AC:** AC adaptor (AD-A60024)
- **DC: HR-100TM:** Four AA-size manganese batteries provide approximately 390 hours of continuous display (540 hours with type R6P (SUM-3)); or printing of approximately 3,000 consecutive lines of “555555” with display (7,000 lines with type R6P (SUM-3)).
 - **HR-150TM:** Four AA-size manganese batteries provide approximately 390 hours of continuous display (540 hours with type R6P (SUM-3)); or printing of approximately 3,500 consecutive lines of “555555” with display (9,000 lines with type R6P (SUM-3)).
- **Dimensions:** HR-100TM: 67mmH × 165.5mmW × 285mmD (25/8" H × 61/2" W × 111/4" D) including roll holders
 - **HR-150TM:** 67.4mmH × 196mmW × 317mmD (25/8" H × 711/16" W × 121/2" D) including roll holders
- **Weight:** HR-100TM: 520 g (18.3 oz) including batteries
 - **HR-150TM:** 700 g (24.7 oz) including batteries
- **Consumable supplies:** Ink Roller (IR-40T)
 - Roll Paper

Plug the AC adaptor directly into an AC outlet.

FCC STATEMENT

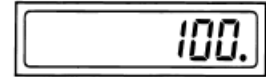
GUIDELINES LAID DOWN BY FCC RULES FOR USE OF THE UNIT IN THE U.S.A. (not applicable to other areas).

NOTICE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Changes or modifications to the product not expressly approved by CASIO could void the user's authority to operate the product.

Calculations



"F"

"PRINT "

"ITEM "

100
100
300
-200
300 → 300
600
900 → 900

500
200
-400
300 → 300
700
1000 → 1000
1900

CA	•• 0 ••
1 00 ±	100 • +
1 00 ±	100 • +
3 00 ±	300 • +
2 00 ±	200 • -
00 ±	300 • ◊
6 00 ±	600 • +
00 ±	900 • *
5 00 ±	500 • +
2 00 ±	200 • +
4 00 ±	-400 • +
00 ±	300 • ◊
7 00 ±	700 • +
00 ±	1,000 • *
GR	1,900 •
 *

•• 0 ••	0.
100 • +	100.
100 • +	200.
300 • +	500.
200 • -	300.
004 ◊	
300 • ◊	300.
600 • +	900.
005 *	
900 • *	900.
500 • +	500.
200 • +	700.
-400 • +	300.
003 ◊	
300 • ◊	300.
700 • +	1'000.
004 *	
1,000 • *	1'000.
002 *	
1,900 •	1'900.
..... *	

"PRINT ", "F"

300
300
480
250
400
400
400
2530

CA	•• 0 ••
3 00 ±	300 • +
00 ±	300 • +
480 ±	480 • +
250 ±	250 • +
4 00 ±	400 • +
00 ±	400 • +
00 ±	400 • +
00 ±	2,530 • *

0.

300.
600.
1'080.
1'330.
1'730.
2'130.
2'530.
2'530.

"PRINT ", "F"

$$(100 + 400) \times 100 = 50000$$

CA
1 00 ±
4 00 ±
1 00 ±

••0••
100• +
400• +
500• ×
100• =
50,000• +

0.
100.
500.
500.
50'000.

$$39600 \div 1600 = 24,75$$

“PRINT”, “0”

396 00 ±
16 00 ±

39,600• ÷
1,600• =
25• +

39'600.
25.

“PRINT”, “F”

$$\begin{array}{r} 100 \times 20 = 2000 \\ 20 \times 30 = 600 \\ \hline 2600 \end{array}$$

CA
1 00 ×
20 ±
20 ×
30 ±

••0••
100• ×
20• =
2,000• +
20• ×
30• =
600• +

0.
100.
2'000.

$$\begin{array}{r} 50 \times 40 = 2000 \\ -) 10 \times 15 = 150 \\ \hline 1850 \end{array}$$

*
50 ×
40 ±
10 ×
15 ±

2,600• *
50• ×
40• =
2,000• +
10• ×
-15• =
-150• +
1,850• *
4,450• *
..... *

2'600.
50.
2'000.
10.
-150.
1'850.
4'450.

4450

“PRINT”, “F”

$$\begin{array}{l} 36 \times 28,35 = 1020,6 \\ 25,4 \times 28,35 = 720,09 \end{array}$$

28 □ 35 ×
36 ±
25 □ 4 ±

28•35 ×
28•35 ××
36• =
1,020•6 +
25•4 =
720•09 +

κ
κ
κ

28,35
28,35
1'020,6
720,09

“PRINT”, “ADD”

\$ 23.25
45.75
- 12.50
96.25
\$ 152.75

2325
4575
12 5
9625

••0••	
23•25	+
45•75	+
12•50	-
96•25	+
152•75	*

0.
23.25
69.00
56.50
152.75
152.75

“PRINT “, “F”

140
250
- 90
300 → 300

950
750
1700 → 1700

550
650
1200 → 1200
300
1500 → 1500
3500

140
250
90
300

950
750

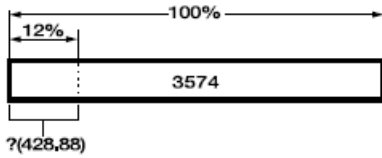
550
650

3 00

0• M*	
••0••	
140•	+
250•	+
90•	-
300•	*
300• M+	M
950•	+
750•	+
1,700•	*
1,700• M+	M
550•	+
650•	+
1,200•	◇
300•	+
1,500•	*
1,500• M+	M
3,500•	M◇

0.
0.
140.
390.
300.
300.
300.
950.
1'700.
1'700.
550.
1'200.
1'200.
1'500.
1'500.
1'500.
3'500.

“PRINT”, “2”

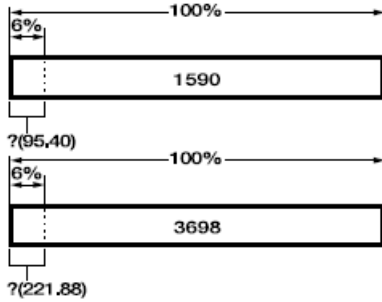


3574 ☐
12 ☐

$$\begin{array}{r} 3,574 \cdot \times \\ 12 \cdot \% \\ 428 \cdot 88 + \end{array}$$

3'574.
428.88

“PRINT”, “2”



6 ☐
1590 ☐

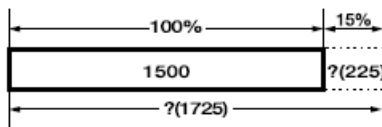
$$\begin{array}{r} 6 \cdot \times \\ 6 \cdot \times \times \\ 1,590 \cdot \% \\ 95 \cdot 40 + \\ 3,698 \cdot \% \\ 221 \cdot 88 + \end{array}$$

6.
6.

95.40

221.88

“PRINT”, “F”



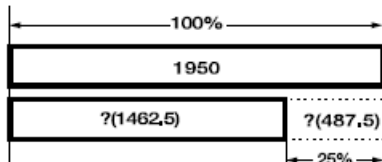
15 ☐
15 ☐

$$\begin{array}{r} 1,500 \cdot \times \\ 15 \cdot \% \\ 225 \cdot + \\ 1,725 \cdot +\% \end{array}$$

1'500.
225.

1'725.

“PRINT”, “F”



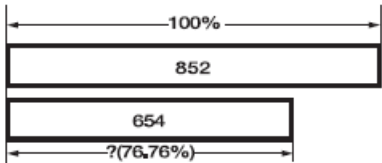
1950 ☐
25 ☐

$$\begin{array}{r} 1,950 \cdot \times \\ 25 \cdot \% \\ 487 \cdot 5 + \\ 1,462 \cdot 5 -\% \end{array}$$

1'950.
487.5

1'462.5

“PRINT”, “2”

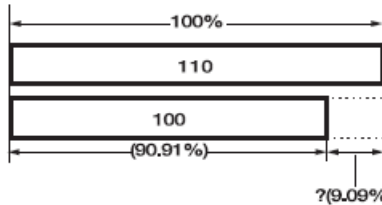


654 ☐
852 ☐

$$\begin{array}{r} 654 \cdot \div \\ 852 \cdot \% \\ 76 \cdot 76 + \end{array}$$

654.
76.76

“PRINT”, “2”



1 ☐
110 ☐

$$\begin{array}{r} 100 \cdot \div \\ 110 \cdot \% \\ 90 \cdot 91 + \\ -10 \cdot 00 \\ -9 \cdot 09 -\% \end{array}$$

100.
90.91

-9.09

“PRINT”, “F”

Purchase Price.	\$480
Profit	40% ? (\$320)
Selling Price.	? (\$800)

480 ☐
40 ☐

$$\begin{array}{r} 480 \cdot \times \\ 40 \cdot \% \\ 320 \cdot -\% \\ 800 \cdot \\ 320 \cdot -\% \end{array}$$

480.
800.

320.

“PRINT”, “F”

Purchase Price.	\$130
Loss.	4% ? (\$5)
Selling Price	? (\$125)

130 ☐
4 ☐

$$\begin{array}{r} 130 \cdot \div \\ 4 \cdot \% \\ 5 \cdot -\% \\ 125 \cdot \\ 5 \cdot -\% \end{array}$$

130.
125.

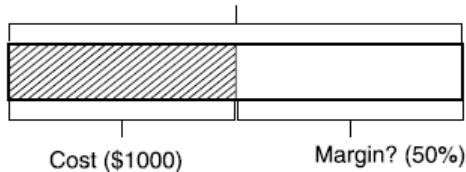
5.

Note: A regular percentage or ratio calculation result is automatically stored in the total memory used for accumulation of totals.

Cost, Selling Price, and Margin Calculations

“PRINT/ITEM/CONVERSION”, “F”

Selling Price (\$2000)



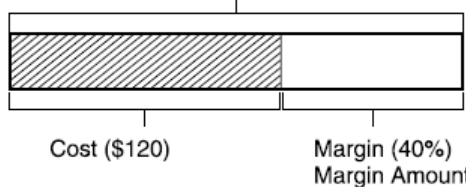
1 00 0 **COST**
2 00 0 **SELL**

•• 0 ••
1,000 • ♦♦
2,000 • **
50 • M%

0.
1'000.
50.

“PRINT/ITEM/CONVERSION”, “F”

Selling Price? (\$200) / ¿Precio de venta? (\$200)
Prix de vente? (200 \$)



120 **COST**
40 **MAR**

MAR
SELL

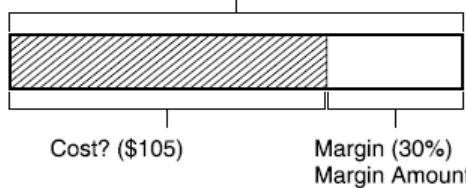
•• 0 ••
120 • ♦♦
40 • M%
200 • **
40 • M%
80 • MT

0.
120.
200.

80.
200.

“PRINT/ITEM/CONVERSION”, “F”

Selling Price (\$150) / Precio de venta (\$150)
Prix de vente (150 \$)



150 **SELL**
30 **MAR**

MAR
COST

•• 0 ••
150 • **
30 • M%
105 • ♦♦
30 • M%
45 • MT

0.
150.
105.

45.
105.

Item count

“PRINT”, “F”

100
-120
100
80—Item count 3

250
-150
180—Item count 5

1 00 **+**
120 **-**
1 00 **+**
IT

250 **+**
150 **-**
IT

•• 0 ••
100 • +
120 • -
100 • +
003.....
250 • +
150 • -
005.....

0.
100.
-20.
80.
003
330.
180.
005

- The item number value is displayed only for addition and subtraction calculations. The item number is shown on the left side of the display.

- The item count restarts from 001 whenever you press ***** and inputting another value with **+** or **-**.

150
220
-100
270 — Item count 3


Average value 90

“PRINT”, “F”

CA	•• 0 ••	0.
150 ±	150 • +	150.
220 ±	220 • +	370.
1 00 -	100 • -	270.
IT	003 ••••••••••	003
IT	90 •	90.
IT	003 ••••••••••	003

“ITEM”, “F”

CA	•• 0 ••	0.
150 ±	150 • +	150.
220 ±	220 • +	370.
1 00 -	100 • -	270.
*	003 ••••••••••	270.
IT	270 • *	270.
IT	90 •	90.

- Pressing  in the Item Mode prints the total along with the item count. Now pressing **IT** prints the average amount per item.

Specifying the Number of Items

“PRINT”, “F”

CA	•• 0 ••	0.
1234 IT	234 •••••••••• +	234.
1.23 IT	001 ••••••~•••••• +	1.
IT	235 ••••••~••••••	235

- Inputting a value and pressing **IT** adds up to the three least significant (rightmost) digits of the input value to the item count. If the input value includes a decimal part, the decimal part is cut off and only the integer is used.
- Example:** 1234 **IT** → Adds 234 to the item count.
 - 1.23 **IT** → Adds 1 to the item count.
- If you specify the number of items, it is printed on the left.

Making Corrections

Making Corrections   

123 × 456 × 78
= 4374864

“PRINT”, “F”

123 ×	123 • ×	123.
447 → 456	447	447.
456 ×	456 • ×	0.
789 → 78	789	56'088.
	78 • =	789.
	4,374,864 • +	78.
		4'374'864.

Printing Reference Numbers

17.11.2006
10022


“ON”
17 □ 11 □ 2 □ 00 6 □ %
1 □ 00 22 □ %

17.11.2006.....
10022.....

17.112006
10'022.

Errors

The following causes the error symbol “E” to appear on the display. Independent memory contents are retained when an error is cleared.

- Whenever you input a value that is longer than 12 digits.
- Clear the input value only by pressing  or **C** or the entire calculation by pressing **CA**.
- Whenever the integer part of a result (whether intermediate or final) is longer than 12 digits. In this case, the display shows the 11 most significant digits of the result. The true decimal point of the result is 12 places to the right of the decimal position shown in this display. Clear the entire calculation by pressing **CA**.
- Whenever the integer part of a total being accumulated in memory is longer than 12 digits.
- Clear the entire calculation by pressing **CA**.

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