

OPERATIONAL NOTES

To insure trouble-free operation of your SHARP calculator, we recommend the following:

1. The calculator should be kept in areas free from extreme temperature changes, moisture, and dust.
2. A soft, dry cloth should be used to clean the calculator. Do not use solvents or a wet cloth.
3. Since this product is not waterproof, do not use it or store it where fluids, for example water, can splash onto it. Raindrops, water spray, juice, coffee, steam, perspiration, etc. will also cause malfunction.
4. If service should be required, use only a SHARP servicing dealer, a SHARP approved service facility or SHARP repair service.
5. If you pull out the power cord to cut electricity completely, the presently stored tax rate will be cleared.
6. Do not wind the AC cord around the body or otherwise forcibly bend or twist it.

SHARP will not be liable nor responsible for any incidental or consequential economic or property damage caused by misuse and/or malfunctions of this product and its peripherals, unless such liability is acknowledged by law.

OPERATING CONTROLS

OFF • P • IC ON  
POWER SWITCH; PRINT / ITEM COUNT MODE SELECTOR:

"OFF": Power OFF  
"•": Power ON. Set to the non print mode.  
"P": Power ON. Set to the print mode.  
"P•IC": Power ON. Set to the print and item count mode.  
For addition or subtraction, each time  $\boxed{+}$  is pressed, 1 is added to the item counter, and each time  $\boxed{-}$  is pressed, 1 is subtracted.  
• The count is printed when the calculated result is obtained.  
• Pressing of  $\boxed{\times}$ ,  $\boxed{\%CE}$   $\boxed{\%CE}$  clears the counter.

Note: The counter has a maximum capacity of 3 digits (up to  $\pm 999$ ). If the count exceeds the maximum, the counter will recount from zero.

$\uparrow$  5/4  $\downarrow$   
ROUNDING SELECTOR:  
Example: Set Decimal Selector to 2.  
 $4 \div 9 = 0.444 \dots$  ,  $5 \div 9 = 0.555 \dots$

	4 $\boxed{+}$ 9 $\boxed{=}$	5 $\boxed{+}$ 9 $\boxed{=}$
$\uparrow$	0.45	0.56
5/4	0.44	0.56
$\downarrow$	0.44	0.55

Note: The decimal point floats during successive calculation by the use of  $\boxed{\times}$  or  $\boxed{+}$ .  
If the decimal selector is set to "F" then the answer is always rounded down ( $\downarrow$ ).

GT • RATE SET  
GRAND TOTAL / RATE SETTING MODE SELECTOR:

"GT": Grand Total  
"•": Neutral  
"RATE SET": Rate setting  
• Enter the adding tax rate, then press  $\boxed{TAX+}$ .  
• A maximum of 4 digits can be stored (decimal point is not counted as a digit).  
• Only one rate can be stored. If you enter a new rate, the previous rate will be cleared.

F63210A  
DECIMAL / ADD MODE SELECTOR:

"6 3 2 1 0": Presets the number of decimal places in the answer.  
"F": The answer is displayed in the floating decimal system.  
"A": The decimal point in addition and subtraction entries is automatically positioned to the 2nd digit from the lowest digit of entry number. Use of the add mode permits addition and subtraction of numbers without entry of the decimal point. Use of  $\boxed{-}$ ,  $\boxed{\times}$  and  $\boxed{+}$  will automatically override the add mode and decimally correct answers will be printed.

$\boxed{P}$  PAPER FEED KEY

$\boxed{\%}$  NON-ADD / SUBTOTAL KEY

$\boxed{\%CE}$  CLEAR / CLEAR ENTRY KEY

$\boxed{*}$  TOTAL KEY

$\boxed{=}$  EQUAL KEY

$\boxed{\pm}$  CHANGE SIGN KEY:

Changes the algebraic sign of a number (i.e., positive to negative or negative to positive).

$\boxed{M}$  RECALL AND CLEAR MEMORY KEY

$\boxed{M}$  RECALL MEMORY KEY

$\boxed{TAX+}$  TAX-INCLUDING KEY

$\boxed{TAX-}$  PRE-TAX KEY

$\boxed{GT}$  GRAND TOTAL KEY

$\boxed{COST}$  COST PRICE ENTRY KEY:

Press this key to enter the cost price.

$\boxed{SELL}$  SELLING PRICE ENTRY KEY:

Press this key to enter the selling price.

$\boxed{MGN}$  MARGIN ENTRY KEY:

Press this key to enter the margin.

DISPLAY SYMBOLS:

**M** : Appears when a number is in the memory.

**-** : Appears when a number is negative.

**•** : Appears when a number is in the grand total memory.

**E** : Appears when an overflow or other error is detected.

INK ROLLER REPLACEMENT

If printing is blurry even when the ink roller is in the proper position, replace the roller.

Ink roller: Type EA-772R

WARNING

APPLYING INK TO WORN INK ROLLER OR USE OF UNAPPROVED INK ROLLER MAY CAUSE SERIOUS DAMAGE TO PRINTER.

- 1) Set the power switch to OFF.
- 2) Remove the printer cover. (Fig. 1)
- 3) Hold the top of the ink roller and remove the roller by pulling it toward you and then upward. (Fig. 2)
- 4) Install the new ink roller in the correct position. Make sure that the roller is securely in place. (Fig. 3)
- 5) Put back the printer cover.



Fig. 1

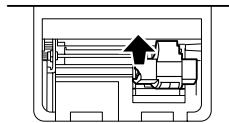


Fig. 2

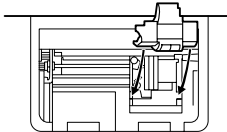


Fig. 3

Cleaning the printing mechanism

If the print becomes dull after long time usage, clean the printing wheel according to the following procedures:

- 1) Remove the printer cover and the ink roller.
- 2) Install the paper roll and feed it until it comes out of the front of the printing mechanism.
- 3) Put a small brush (like a tooth brush) lightly to the printing wheel and clean it by pressing  $\boxed{R}$ .
- 4) Put back the ink roller and the printer cover.

Note: • Do not rotate the printing mechanism manually, this may damage the printer.

PAPER ROLL REPLACEMENT

Never insert paper roll if torn. Doing so will cause paper to jam.

Always cut leading edge with scissors first.

- 1) Insert the leading edge of the paper roll into the opening. (Fig. 1)
- 2) Turn the power on and feed the paper by pressing  $\boxed{P}$ . (Fig. 2)
- 3) Lift the attached metal paper holder up and insert the paper roll to the paper holder. (Fig. 3)

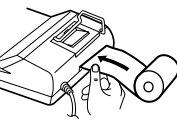
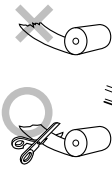


Fig. 1

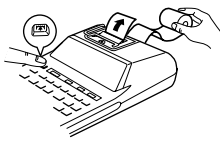


Fig. 2



Fig. 3

DO NOT PULL PAPER BACKWARDS AS THIS MAY CAUSE DAMAGE TO PRINTING MECHANISM.

ERRORS

There are several situations which will cause an overflow or an error condition. When this occurs, "E" will be displayed. The contents of the memory at the time of the error are retained.

If an "0-E" is displayed at the time of the error, "-----" will be printed in red and  $\boxed{\%CE}$  must be used to clear the calculator.

Also, in rare cases, printing may stop midway and the indication "E" appear on the display. This is not a malfunction but is caused when the calculator is exposed to strong electromagnetic noise or static electricity from an external source. Should this occur, press the  $\boxed{\%CE}$  key and then repeat the calculation from the beginning.

Error conditions:

1. When the integer portion of an answer exceeds 12 digits.
2. When the integer portion of the contents of the memory exceeds 12 digits.  
(Ex.  $\boxed{M}$  999999999999  $\boxed{M}$  1  $\boxed{M}$  )
3. When any number is divided by zero. (Ex. 5  $\boxed{\div}$  0  $\boxed{=}$  )

SPECIFICATIONS

Operating capacity: 12 digits  
Power source: AC: 230V~240V, 50Hz

PRINTING SECTION

Printer: Mechanical printer  
Printing speed: Approx. 2.1 lines/sec.  
(At temperature 25°C (77°F), when "741.9 + " is printed. The printing speed will vary with the number of rows and the figure types to be printed.)

Printing paper:

57 mm (2-1/4") - 58 mm (2-9/32") wide  
80 mm (3-5/32") in diameter (max.)

Operating temperature: 0°C - 40°C (32°F - 104°F)

Power consumption: 41 mA

Dimensions: 193 mm (W)  $\times$  256 mm (D)  $\times$  62.5 mm (H)

(7-19/32" (W)  $\times$  10-3/32" (D)  $\times$  2-15/32" (H))

Weight: Approx. 1.0 kg (2.20 lb.)

Accessories: 1 paper roll, 1 ink roller (installed), and operation manual

WARNING

THE VOLTAGE USED MUST BE THE SAME AS SPECIFIED ON THIS CALCULATOR. USING THIS CALCULATOR WITH A HIGHER VOLTAGE THAN THAT WHICH IS SPECIFIED IS DANGEROUS AND MAY RESULT IN A FIRE OR OTHER TYPE OF ACCIDENT CAUSING DAMAGE. WE ARE NOT RESPONSIBLE FOR ANY DAMAGE RESULTING FROM USE OF THIS CALCULATOR WITH A VOLTAGE OTHER THAN THAT WHICH IS SPECIFIED.

