

ELECTRONIC PRINTING CALCULATOR CALCULADORA IMPRESORA ELECTRÓNICA



OPERATION MANUAL MANUAL DE MANEJO

For USA only:
This product contains a CR Coin Lithium Battery which contains Perchlorate Material – special handling may apply, California residents. See www.dtsc.ca.gov/hazardouswaste/perchlorate/

WARNING – FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authority to operate this equipment.

Note: 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.

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SHARP CORPORATION

OPERATIONAL NOTES

- To insure trouble-free operation of your SHARP calculator, we recommend the following:
- The calculator should be kept in areas free from extreme temperature changes, moisture, and dust.
 - A soft, dry cloth should be used to clean the calculator. Do not use solvents or a wet cloth.
 - 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.
 - If service should be required, use only a SHARP servicing dealer, a SHARP approved service facility or SHARP repair service.
 - Do not operate this unit with the insulation sheet attached; the insulation sheet prevents the battery wear while shipping, and can be found on the back of the unit's body. If the insulation sheet is not removed, the previously set date and time, as well as the tax rate information will be cleared as soon as the AC power is accidentally unplugged.
 - Do not wind the AC cord around the body or otherwise forcibly bend or twist it.

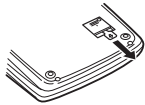
SHARP will not be liable nor responsible for any incidental or consequential economic or property damage caused by misuse and/or malfunctions of this product and its peripherals, unless such liability is acknowledged by law.

USING THE CALCULATOR FOR THE FIRST TIME

First, pull out the insulation sheet for the memory protection battery (installed for retaining the date/time/tax rate information). Reset the calculator to initialize the unit's state, then adjust the date and time before using the calculator.

Removing the insulation sheet, and resetting

- Pull out the insulation sheet for the memory protection battery.



- Press the RESET switch located on the back of the unit.

(See "RESETTING THE UNIT".)
* The clock starts, indicating the current date and time as January 1, 2008, 12:00:00 a.m.

Adjusting date and time

Example: When the date is September 15, 2007, and the time is 3:38 p.m.

Operation	Display
9 15 2007	9-15-2007
15 38	3-38 00 P
	0.

(see "GRAND TOTAL / RATE SETTING MODE SELECTOR")

* When the adjustment is complete, the clock starts at 3:38:00 p.m.

OPERATING CONTROLS

POWER SWITCH; PRINT / ITEM COUNT MODE SELECTOR:

OFF: Power OFF

P: 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 is pressed, 1 is added to the item counter, and each time is pressed, 1 is subtracted.
 - The count is printed when the calculated result is obtained.
 - Pressing of clears the counter.
 - When the grand total/rate setting mode selector is in the ON position (GT), the counter will count the number of times that the calculation results have been stored in the grand total memory. To print and clear the count, press the key.
 - The memory item counter will count the number of times that the key has been pressed in the addition.
- Note: Each time the key is used in the subtraction, 1 will be subtracted from the count.
- The count is printed when the memory is recalled.
 - Pressing of the key clears the counter.

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

↑ 5/4 ↓

ROUNDING SELECTOR:

Example: Fije el selector decimal en 2.

4 × 9 = 0.444 ... , 5 ÷ 9 = 0.555 ...

	4 9 =	5 9 =
↑ 5/4 ↓	0.45	0.56
	0.44	0.56
	0.44	0.55

Note: The decimal point floats during successive calculation by the use of or . If the decimal selector is set to "F" then the answer is always rounded down (↓).

GRAND TOTAL / RATE SETTING MODE SELECTOR:

GT: Grand Total

N: Neutral

RATE SET: To set the date, time, and tax rate, set this switch at the "RATE SET" position.

Date:

- Enter in the order of month, day and year, then press to complete the entry.
 - Use to separate month, day, and year.
 - When is pressed, the number entered is evaluated and displayed as "date" if the value is within the following range; "Error" is displayed otherwise, and the previously set date is restored.
- Month: 1 - 12; day: 1 - 31; Year: 2000 - 2099 (in 4 digits) or 00 - 99 (in 2 digits)

Time:

- Enter in the order of hour, minutes, then press to complete the entry. (There is no entry available for the seconds value. The clock starts at zero second.)
 - If the hour/minute digit is less than 10, it is not necessary to enter the first digit "0".
 - Use to separate hour and minute values.
 - When is pressed, the number entered is evaluated and displayed as "time" if the value is within the following range; "Error" is displayed otherwise, and the previously set time is restored.
- Hour: 0 - 23 (24-hour system for the hour entry), Minute: 0 - 59

Tax rate:

- Press three times, enter the tax rate, followed by .
- 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.

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 and will automatically override the add mode and decimally correct answers will be printed.

CLOCK / CALENDAR KEY:

- Each time this key is pressed, the mode switches. Calculation mode → Date display mode → Clock display mode → Calculation mode
- Use this key also to adjust date and time (see "GRAND TOTAL / RATE SETTING MODE SELECTOR").

PAPER FEED KEY

LAST DIGIT CORRECTION KEY

NON-ADD / SUBTOTAL KEY:

- Non-add** – When this key is pressed right after an entry of a number in the Print mode, the entry is printed on the left-hand side with the symbol "#". This key is used to print out numbers not subject to calculation(s) such as code, date, etc.
- Subtotal** – Use to get subtotal(s) of additions and/or subtractions. When pressed following the or key, the subtotal is printed with the symbol "Σ" and the calculation may be continued.
- By pressing this key even in the Non-print mode, the displayed number is printed without any symbol.**
- When the POWER SWITCH; PRINT / ITEM COUNT MODE SELECTOR is set "P", "P" or "P-IC" position, and Date or Clock is displayed, press this key to print the displayed contents, including "#" symbol, from the left side of the paper roll.
- Example:
- Date printing
#9 · 15 · 2007 · · · · · (when the date is September 15, 2007)
- Clock printing
#10 · 30 · · · · · (when the time is 10:30 a.m.)
#6 · 25 · · · · · (when the time is 6:25 p.m.)
- When the Date / Clock printing is complete, the Calculation mode is restored.

CLEAR / CLEAR ENTRY KEY

Press this key twice, followed by , to print the set tax rate.

TOTAL KEY

EQUAL KEY

CHANGE SIGN KEY:

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

RECALL AND CLEAR MEMORY KEY

RECALL MEMORY KEY

TAX-INCLUDING KEY

PRE-TAX KEY

AVERAGE KEY:

Used to calculate the average.

GRAND TOTAL KEY

COST PRICE ENTRY KEY:

Press this key to enter the cost price.

SELLING PRICE ENTRY KEY:

Press this key to enter the selling price.

MARGIN ENTRY KEY:

Press this key to enter the margin.

CHANGE CALCULATION KEY:

- To see how much change to return, have the price amount displayed, then enter the pay amount, followed by this key. The change is calculated in accordance with the DECIMAL / ADD MODE SELECTOR setup as well as the ROUNDING SELECTOR setup.
 - The intermediate result of an addition or subtraction in the Change calculation is retained.
 - While the POWER SWITCH / PRINT / ITEM COUNT MODE SELECTOR is placed in "P" or "P-IC", the pay amount is printed after "*****" and the change printed with "CG".
- Note: The displayed change value will not be added to the grand total memory.

DISPLAY SYMBOLS:

- M : Appears when a number is in the memory.
- : Appears when a number is negative.
- E : 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.

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

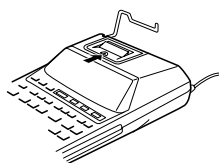


Fig. 1

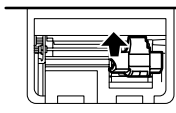


Fig. 2

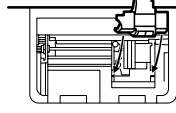


Fig. 3

Cleaning the printing mechanism

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

- Remove the printer cover and the ink roller.
- Install the paper roll and feed it until it comes out of the front of the printing mechanism.
- Hold a small brush (like a tooth brush) lightly to the printing wheel and clean it by pressing .
- 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.

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



Fig. 1

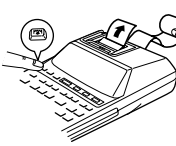


Fig. 2

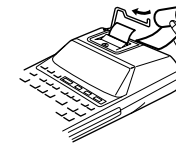


Fig. 3

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

NO TIRE DEL PAPEL HACIA ATRÁS YA QUE PODRÍA OCASIONAR DAÑOS AL MECANISMO DE IMPRESIÓN.

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 "0E" is displayed at the time of the error, "-----" will be printed in red and must be used to clear the calculator.

Also, in rare cases, printing may stop midway and the indication "E" will 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 key and then repeat the calculation from the beginning.

Error conditions:

- When the integer portion of an answer exceeds 12 digits.
- When the integer portion of the contents of the memory or grand total memory exceeds 12 digits. (Ex. 999999999999 1)
- When any number is divided by zero. (Ex. 0)

ERRORES

Existen diversos casos en los que ocurre un exceso de capacidad o una condición de error. Al producirse esto, aparecerá "E". El contenido de la memoria, en el momento del error, se conservará.

Si, al ocurrir el error, se visualiza el símbolo "0E", se imprimirá en rojo "-----" y se deberá usar para borrar la calculadora.

Además, en casos muy raros, la impresión puede pararse en la mitad, y en el visualizador puede aparecer la indicación "E". Esto no significa mal funcionamiento, sino que se debe a que la calculadora ha estado expuesta a ruido electromagnético intenso o electricidad estática de una fuente externa. Cuando ocurra esto, pulse la tecla y después repita el cálculo desde el principio.

Condiciones de error:

- Cuando la parte entera de un resultado excede las 12 dígitos.
- Cuando la parte entera del contenido de la memoria o la memoria del total global supera 12 dígitos. (Ej. 999999999999 1)
- Cuando se divide un número cualquiera por cero. (Ej. 0)

