SHARP

ENGLISH

ELECTRONIC PRINTING CALCULATOR

EL-1611V

OPERATION MANUAL

OPERATIONAL NOTES

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

- 1. Keep the calculator away from extreme heat such as on a car dashboard or near a heater, and avoid exposing it to excessively humid or dusty environments
- Clean with a soft, dry cloth. Do not use solvents or a wet cloth. Avoid using a rough cloth or anything else that may cause scratches.
- 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. This product, including accessories, may change due to upgrading without prior notice.
- 6. The optional AC adaptor (EA-28A) is not available in some regions. Please ask your SHARP dealer for details.
- 7. If you pull out the power cord to cut electricity completely or replace the batteries, the presently stored tax rate (discount) / exchange rate and memory contents will

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

C·CE :

POWER ON KEY / CLEAR / CLEAR ENTRY KEY:

"C": This key also serves as a clear key for the calculation register and resets an error condition.

"CE" : When pressed after a number and before a function, clear the number.

OFF: Р:

POWER OFF KEY



Pressing $\ \ \ \$ after the entry of a number will print the entry with the symbol "#" even in non-print mode.

Pressing will insert a separator into a number entry such as a code, date, etc. Separators are displayed as a period and dashes

M+ : MEMORY + KEY / PRINT ON/OFF KEY:

Pressing 2nd PINP selects print mode or non-print mode.

Print mode. Non-print mode. "NP"

M-:

MEMORY - KEY / DECIMAL SELECTION KEY:

Pressing and DEC sets the number of decimal places in the result:

 \rightarrow F \rightarrow 3 \rightarrow 2 \rightarrow 1 \rightarrow 0 \rightarrow A \rightarrow

"3 2 1 0" : Presets the number of decimal places in the answer.

The answer is displayed in the floating decimal

"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 , x and ÷ will automatically override the add mode and decimally correct answers will be

printed.

TAX-

PRE-TAX KEY

TAX+: TAX-INCLUDING KEY / TAX RATE SET KEY:

You can set the tax rate by pressing 2nd RATE SET. (A maximum of 4 digits excluding the decimal point can be stored as the tax rate.)

2nd :

2nd FUNCTION KEY:

To use the functions shown above the keys, such as "DEC", press the 2nd key first. (When the 2nd key is pressed, "2nd" will appear at the top of the display.)

Example: To change decimal place setting from F to 2

祁: PAPER FEED KEY

DISPLAY SYMBOLS

Floating decimal mode Preset decimal mode Add mode Print mode NP Non-print mode 2nd 2nd functions are available

TAX+ Appears when the total calculated includes tax. TAX-Appears when the total calculated excludes tax.

TAX Appears when the tax rate is set. M: Appears when a number is in the memory Appears when a number is negative.

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

• Although all available symbols are shown here for instruction purposes, these

symbols will not appear on the screen simultaneously.

INK RIBBON REPLACEMENT

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

Ink roller: Type IR-40T (SHARP EA-772R)

APPLYING INK TO WORN INK ROLLER OR LISE OF LINAPPROVED INK ROLLER MAY CAUSE SERIOUS DAMAGE TO PRINTER.

- 1. Set the power switch to OFF. Make sure that the print wheel has stopped.
- 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)
- 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







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 [所].
- 4. Put back the ink roller and the printer cover.

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

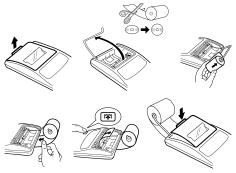
PAPER ROLL REPLACEMENT

Never insert paper roll if torn. Doing so will cause paper to jam. Always cut leading edge with scissors first.

A. When using the paper roll that is less than or equals to 25 mm (31/32") in outside diameter



B. When using the paper roll that is 12mm (15/32") in inside diameter and up to 80mm (3-5/32") in outside diameter



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

BATTERY REPLACEMENT

Time for battery replacement

Replace with a new battery once 2 year. When the battery power becomes weak, printing may be halted, and displayed images may disappear. If such symptoms are observed, replace the batteries with new ones.

Battery: Manganese dry battery, size AA (or R6) × 4

Note: When replacing the battery, the set tax / discount rate and conversion rate. the memory contents will be lost. You may want to write down the tax / discount rate and conversion rate, other important numbers on a sheet of paper

- 1. Turn the power switch "OFF" and unplug the power supply plug from the outlet.
- 2. Remove the battery cover on the back of the unit.
 3. Replace the batteries. Be sure that the "+" and "-" marks on the battery correspond. to the "+" and "-" marks in the calculator. Always put back the 4 batteries at the same time.
- 4. Put back the battery cover.
- 5. Press the RESET switch on the back of the unit.



- Fluid from a leaking battery accidentally entering an eye could result in serious injury. Should this occur, wash with clean water and immediately consult a doctor.
- Should fluid from a leaking battery come in contact with your skin or clothes, immediately wash with clean water.
- If the product is not to be used for some time, to avoid damage to the unit from
- a leaking battery, remove it and store in a safe place
- Do not leave an exhausted battery inside the product.
- Always put back the 4 batteries at the same time

HOW TO CONNECT THE AC ADAPTOR (OPTION)

This machine can also be operated on AC power by use of AC Adaptor. When the AC adaptor is connected to the calculator, the power source is automatically switched over from dry batteries to AC power source.

AC adaptor: Model EA-28A

Make sure that you turn the calculator's power off when connecting or disconnecting the AC adaptor

To connect the AC adaptor, follow steps ① and ②.



To disconnect the AC adaptor, simply reverse the procedure.

CAUTION

USE OF OTHER THAN THE AC ADAPTOR EA-28A MAY APPLY IMPROPER VOLTAGE TO YOUR SHARP CALCULATOR AND WILL CAUSE DAMAGE.

There are several situations which will cause an overflow or an error condition. When this occurs, an error symbol "E" will be displayed and "- - printed, and all keys will electronically lock except oce, in and off must be depressed to restart the calculation

The contents of the memory at the time of the error are retained.

- 1. When the integer portion of an answer exceeds 12 digits and does not exceed 24 digits.
- (Example: 888888888888 + 345678923456 = 1.23456781234E)
- 2. When any number is divided by zero. (Example: 5 ÷ 0 =).
- 3. When the contents of the memory exceed 12 integers. (Example: 499999999999 M. 1 M.)
- 4. When the integer portion of a quotient in percentage calculation is 25 digits. (Example: 100000000000 ÷ 0.00000000001 %)
- When the paper jams, the printer stops and the error symbol "P.E" appears. Turn off the calculator. Tear off the paper tape and then pull the remaining part of the paper forward and completely out of the printer.

SPECIFICATIONS

Operating capacity: 12 digits

Operating: 6V --- (DC) Heavy-duty manganese battery, Power source:

size AA (or R6) × 4)

AC: Local voltage with AC adaptor EA-28A (Option)

PRINTING SECTION Mechanical printer Approx. 2 lines/sec. Printer

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

Operating temperature:

0°C - 40°C (32°F - 104°F)

Operation time: Approx. 5,000 hours (in non-print mode, displaying 555'555 at 25°C (77°F) ambient temperature)

Operating time depends on the type of battery and type of use.

99 × 191 × 42 mm Approx. 317 g (with batteries) Weight:

4 heavy-duty manganese battery, 1 paper roll, 1 ink roller

and operation manual

WARNING

THE VOLTAGE USED MUST BE THE SAME AS SPECIFIED ON THIS CALCU-LATOR. USING THIS CALCULATOR WITH A VOLTAGE HIGHER THAN THAT SPECIFIED IS DANGEROUS AND MAY RESULT IN A FIRE OR OTHER TYPE OF ACCIDENT CAUSING DAMAGE.

SHARP WILL NOT BE HELD RESPONSIBLE FOR ANY DAMAGE RESULTING FROM USE OF THIS CALCULATOR WITH OTHER THAN THE SPECIFIED

RESETTING THE UNIT

Strong impacts, exposure to electrical fields, or other unusual conditions may render the unit inoperative, and pressing the keys will have no effect. If this occurs, you will have to press the RESET switch on the bottom of the unit. The RESET switch should be pressed only when:

- · an abnormal event occurs and all keys are disabled.
- · you install or replace the batteries.
- Notes:
- · Pressing the RESET switch will clear the stored tax rate and other data stored in the memory.

 • Use only a ballpoint pen to press the RESET switch. Do not use anything breakable
- or anything with a sharp tip, such as a needle.

 After the RESET switch is pressed, connect the AC adaptor. Turn the power switch
- "ON" and check that "0." is displayed.



CALCULATION EXAMPLES

- 1. To insure that each calculation is performed correctly, press [COE] firmly before starting the calculation
- 2. Press 2nd PNP to select print mode or non-print mode.
- 3. Unless otherwise stated, it is assumed the calculator is in print mode.

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0 × 15% =	2	650 × 15 %	97.50	97.50 🗱
3 ÷ 1368 = (%)	2	123 ÷ 1368 %	8.99	8.99 🗱
	0	Press CM to clear the memory	before starting a memory calc	culation.
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et a 5% tax rate.	F	5 2nd RATE SET	5.	· · · 5·000 %
alculate the total amount adding a 5% tax to \$800.	F	800 TAX+	TAX+ 840.	800
erform two calculations using	F	840 + 525 =	840. 1'365. TAX- 1'300.	840· + 525· = 1.365· + 1.365· -
et -	$\frac{72 \times 8 = \$}{\text{Total}} = \$$ a 5% tax rate. culate the total amount adding a 5% tax to \$800.	72 × 8 = ③ Total = ④ a 5% tax rate. F culate the total amount adding a 5% tax to \$800. F form two calculations using 10 and \$525, both of which addy include tax. Calculate tax on the total and the total	72 × 8 = ③ 3 Total = ④ 0 072 x 08 m m Interest Interest a 5% tax rate. F 5 2nd (MATE SET) 2nd (MATE SET) 2nd (MATE SET) 4 800 TAX+ 525, both of which early include tax. Calculate 525 = 1 840 + 525 = 525 = 1	T2 × 8 = ③ Total = ④ 072 × 08 M

FOR MORE INFORMATIONS ABOUT SHARP CALCULATORS VISIT:

http://www.sharp-calculators.com



Attention: Attention: Your product is marked with this symbol. It means that used electrical and electronic and electronic products should not be mixed with general household waste. There is a separate collection system for these products.

ENGLISH

Information on the Disposal of this Equipment and its Batteries

In the European Union
 Attention: If you want to dispose of this equipment, please do not use the ordinary dust bin!

Used electrical and electronic equipment must be treated separately and in accordance with legislation that requires proper treatment, recovery and recycling of used electrical and electronic equipment. Following the implementation by member states, private households within the EU states may return their used electrical and electronic equipment to designated collection facilities free of charge*. In some countries* your local retailer may also take back your old product free of charge if you pricase a similar new one. ") Please contact your local authority for further details. If your used electrical or electronic equipment has batteries or accumulators, please dispose of these separately beforehand according to local requirements. By disposing of this product correctly you will help ensure that the waste undergoes the necessary treatment, recovery and recycling and thus prevent potential negative effects on the environment and human health which could otherwise arise due to inappropriate waste handling.

In other Countries outside the EU
If you wish to discard this product, please contact your local authorities and ask for the correct method of disposal.

Manufactured by

Manufactured by: SHARP CORPORATION 1 Takumi-cho, Sakai-ku, Sakai City, Osaka 590-8522, Japan

For EU only: Imported into Europe by: MORAVIA Consulting spol. s r.o. Olomoucká 83, 627 00 Brno, Czech Republic For UK only: Imported into UK by: MORAVIA Europe Ltd. Belmont House, Station Way, Crawley, West Sussex RH10 1JA, Great Britain

SAFETY PRECAUTIONS

CAUTION! Power Outlet
The socket outlet shall be installed near the equipment and shall be easily accessible.

- The socket outlet shall be installed near the equipment and shall be easily accessible.

 CAUTION! Notes for handling Lithium batteries

 Danger of explosion if battery is incorrectly replaced.

 Replace only with the same or equivalent type recommended by the manufacturer.

 Dispose of use obtateries according to the manufacturer instructions.

 Do not leave an exhausted battery in the equipment.

 Do not leave an exhausted battery in the equipment.

 Do not incore the battery to water or flame, and do not take it apart.

 Do not ingest battery. Chemical Burn Hazard.

 This product contains coin cell battery. If the coin cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.

 Keep new and used batteries away from children.

 If the battery compartment does not close securely, stop using the product and keep it away from children.

- If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.
 This equipment is not suitable for use in locations where children are likely to be present.