



Sharp EL-1611V Electronic Printing Calculator Operation Manual

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SHARP

Sharp EL-1611V Electronic Printing Calculator



OPERATIONAL NOTES

To ensure 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 a SHARP repair service.
5. If you pull out the power cord to cut electricity completely or replace the batteries, the presently stored tax rate will be cleared.
6. This product, including accessories, may change due to upgrading without prior notice.

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

-  **POWER ON KEY / CLEAR / CLEAR ENTRY KEY:**

- **Clear** – This key also serves as a clear key for the calculation register and resets an error condition.


- **Clear entry** – When pressed after a number and before a function, clear the number.
-  **POWER OFF KEY**
-  **PRINT 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 but printed as periods.
-  **MEMORY + KEY / PRINT ON / OFF KEY:**
 - Pressing  **PNP** selects print mode or non-print mode.
 - “P” on the display: Print mode.
 - “NP” on the display: Non-print mode.
-  **MEMORY-KEY / DECIMAL SELECTION KEY:**
 - Pressing  **DEC** sets the number of decimal places in the result.

→ F → 3 → 2 → 1 → 0 → A →





- **“F” on the display:**
 - The answer is displayed in the floating decimal system.
- **“3,2,1,0” on the display:**
 - Presets the number of decimal places in the answer.
- **“A” on the display (Add mode):**
 - The decimal point in addition and subtraction entries is automatically positioned to the 2nd digit from the lowest digit of the 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.

PRE-TAX KEY

TAX-INCLUDING KEY / TAX RATE SET KEY:

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


2nd FUNCTION KEY:

- To use the functions shown above the keys, such as “DEC”, press the  key first. (When the  key is pressed, “2nd” will appear at the top of the display.)
- Example: To change the decimal place setting from F to 2
 -  **DEC**,  **DEC**

PAPER FEED KEY

- When pressed, the paper tape advances

DISPLAY:

- F: Floating decimal mode
- 3, 2, 1, 0: Preset decimal mode
- A: Add mode
- P: Print mode
- NP: Non-print mode
- 2nd:  functions are available
- TAX+: Incl. tax
- TAX–: Pre-tax
- TAX: Tax rate
- M: Memory
- – : Minus
- E: Error

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 A WORN INK ROLLER OR USING OF UNAPPROVED INK ROLLER MAY CAUSE SERIOUS DAMAGE TO PRINTER.

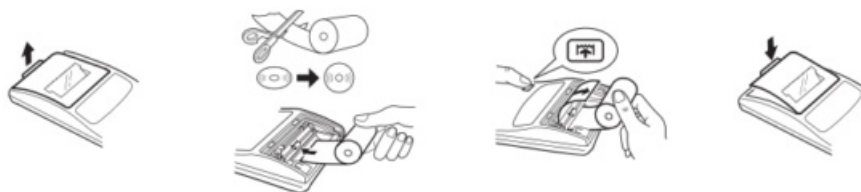


Note: Do not rotate the printing mechanism manually, this may damage the printer.

PAPER ROLL REPLACEMENT

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

- A. When using the paper roll that is less than or equal to 25mm (31/32") in outside diameter:
 - **Paper roll:** Type EA-7100P



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

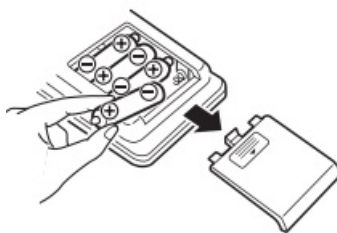


POWER SUPPLY

BATTERY OPERATION

If the display becomes dim or the printer stops before or during printing, the batteries should be replaced.

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



After the replacement, press **OFF** and **ON** in this order to clear the calculator.

When the batteries are correctly installed "0." will be displayed. (If the display does not show "0." , reinstall the batteries.)

Note: Due to solvent leakage of the battery, keeping a used battery in the battery compartment may result in damage to the calculator. Remove a used battery promptly.

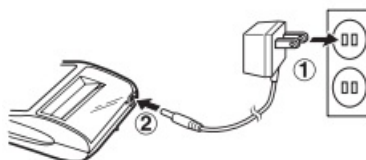
- If the leaked electrolyte gets into your eyes, wash it off with clean water, and consult your doctor immediately.
- If the leaked electrolyte gets on your skin or clothes, wash it off thoroughly with water.
- Remove batteries if not used for prolonged periods of time.
- Do not leave dead batteries in the unit.
- Do not mix new and used batteries and/or battery types.

AC POWER OPERATION (OPTION)

The optional AC adaptor is not available in some regions. Please ask your Sharp dealer for details.

When the AC adaptor is connected to the calculator, the power source will switch over from dry batteries to an AC power source.

HOW TO CONNECT THE AC ADAPTOR MANERA DE CONECTAR AL ADAPTADOR DE CA





- Make sure that you turn the calculator's power off when connecting or disconnecting the AC adaptor.
- To connect the AC adaptor, follow the steps.
- To disconnect the AC adaptor, simply reverse the procedure.

CAUTION: Use of other than the AC adaptor recommended by your SHARP dealer may apply improper voltage to your SHARP calculator and will cause damage.

ERRORS

There are several situations that will cause an overflow or an error condition.

1. When this occurs, an error symbol "E" will be displayed and "-----" will be printed, and all keys will electronically lock except **CE**,  and 
 - **C.CE** must be depressed to restart the calculation.
The contents of the memory at the time of the error are retained.
 - When the integer portion of an answer exceeds 12 digits and does not exceed 24 digits.
 - **OVERFLOW CALCULATION** Ex. Select the decimal position "F".
 - $888888888888 + 345678923456 = 1.23456781234E$
2. When any number is divided by zero. (Ex. $5 \div 0$).
3. When the contents of the memory exceed 12 integers. (Ex. 999999999999 1)
4. When the integer portion of a quotient in percentage calculation is 25 digits. (Ex. 10000000000000.000000000001)
 - When the paper jams, the printer stops and the error symbol "P.E" appears. Turn off the calculator. Tear off the paper roll and then pull the remaining part of the paper forward and completely out of the printer.

SPECIFICATIONS

- **Operating capacity:** 12 digits
- **Power source:** Operating:
 - 6V ... (DC): Heavy-duty manganese battery, size AA (or R6) × 4
 - **AC (Option):** Local voltage with AC adaptor
 - The optional AC adaptor is not available in some regions. Please ask your Sharp dealer for details.
- **PRINTING SECTION**
 - **Printer:** Mechanical printer
 - **Printing speed:** Approx. 2.0 lines/sec.
 - **Printing paper:** 57mm (2-1/4") – 58mm (2-9/32") wide, 80mm (3-5/32") in diameter (max.)
- **Operating temperature:** 0°C – 40°C (32°F – 104°F)
- **Power consumption:** 6V ... (DC): 2.1 W
- **Operating time:** Approx. 5,000 hours (in nonprint mode, displaying 555'555 at 25°C (77°F) ambient temperature)
 - Operating time depends on the type of battery and type of use.
- **Automatic Power-Off:** Approx. 12 min.
- **Dimensions:** 99 mm (W) × 191 mm (D) × 42 mm (H) (3-29/32" (W) × 7-17/32" (D) × 1-21/32" (H))
- **Weight:** Approx. 317 g (0.70 lb.) (with batteries)

- **Accessories:** 1 paper roll, 1 ink roller (installed), manganese dry battery × 4, and operation manual

CALCULATION EXAMPLES

1. To ensure that each calculation is performed correctly, press **C.CE, C CE** firmly before starting the calculation.
2. Press **2nd PNP** to select print mode or non-print mode. “P” appears in print mode and “NP” appears in non-print mode.
3. Unless otherwise stated, it is assumed the calculator is in print mode.


CALCULATIONS	EXAMPLE EJEMPLO	F, 3, 2, 1, 0, A	OPERATION OPERACIÓN	DISPLAY EXHIBICIÓN	PRINT IMPRESIÓN
Non add print	No. 123 5.1.2019	F	123 P 5 1 2019 P	123. 5.1-2019	#123 #5-1-2019
Addition and subtraction with add mode	2.50 + 4.50 = 3.00 = Note: [] was not used in the entries. Nota: La [] no ha sido usada en los registros.	A	CCE CCE 250 + 450 = 300 =	123 [] 250 9 [] 450 4.00	4-00 * 4-00 *
Mixed calculations	12 × 45 ÷ 4 =	0	12 × 45 ÷ 4 =	135.	135 *
Power	2 ² = 2 × 2 = ① 2 ³ = 2 × 2 × 2 = ②	0	(Non-print mode / Modalidad de no-impresión) 2nd PNP 2 × = 8. ②	4. ① 8. ②	
Constant	295 × 8 = 295 × 6 = 18 ÷ 2 = 12 ÷ 2 =	0 0	295 × 8 = 6 = 18 ÷ 2 = 12 ÷ 2 =	2'360. 1'770. 9. 6.	2-360 * 1-770 * 9 * 6 *
Add-on and discount	5% add-on to 100. / Un 5% de recargo sobre 100.	2	100 + 5 % 100 × 5 % + =	105.00 5.00 105.00	105-00 * 5-00 * 105-00 *
	10% discount on 100. / Un 10% de descuento sobre 100.	2	100 - 10 % 100 × 10 % = =	90.00 10.00 90.00	90-00 * 10-00 * 90-00 *
	Reciprocal	F	7 ÷ =	0.14285714285	0-14285714285 *
	Percent	2	650 × 15 % 123 ÷ 1368 %	97.50 8.99	97-50 * 8-99 *
Memory	46 × 78 = ① +) 125 ÷ 5 = ② -) 72 × 8 = ③ Total = ④	0	• Press CM to clear the memory before starting a memory calculation. • Apretar CM para cancelar la memoria antes de empezar a efectuar un cálculo con memoria. CM 46 × 78 = 125 ÷ 5 = 72 × 8 = =	3'588. ^M 25. ^M 576. ^M 3'037. ^M	3-588 -M ① 25 -M ② 576 -M ③ 3-037 -M ④
Tax rate calculations	Set a 5% tax rate.	F	5 2nd TXT RT	5. TAX 5.000	... 5-000 %
	Calculate the total amount for adding a 5% tax to \$800.	F	800 TAX+	TAX+ 840.	800- ...40- 840-
	Perform two calculations using \$840 and \$525, both of which already include tax. Calculate the tax on the total and the total without tax. (tax rate: 5%)	F	840 + 525 = TAX=	840. 1'365. TAX- 1'300.	840- + 525- = 1-365 * 1-365- ...65- 1-300-

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.

Note:

- 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 pressing the RESET switch, press  to make sure that “0.” is indicated.

Supplier's Declaration of Conformity

(Compliance Information)

FCC Compliance: This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

Responsible Party:

- Victor Technology, LLC
- Address: 100 EAST CROSSROADS PARKWAY, SUITE C, BOLINGBROOK, IL 60440
- Contact: TEL: +1-630-754-4400, +1-844-578-1637

FCC Standards:

- Tested To Comply With FCC Standards
- For Home or Office Use



FCC Regulations Warning: 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.

Compliance with FCC Rules: 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 the receiver.
- Connect the equipment to 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.

Frequently Asked Questions

How do I clean the Sharp EL-1611V Electronic Printing Calculator?

To clean the calculator, use a soft, dry cloth. Do not use solvents or a wet cloth, as they may damage the calculator.

Can I use this calculator in areas with extreme temperature changes, moisture, or dust?

It is recommended to keep the calculator in areas free from extreme temperature changes, moisture, and dust to ensure trouble-free operation.

How do I replace the ink roller in the calculator?

If printing is blurry, you can replace the ink roller with a Type EA-772R ink roller. Be cautious not to rotate the printing mechanism manually, as it may damage the printer.

What type of paper roll should I use for replacement?

Depending on the outside diameter of the paper roll, you can use Type EA-7100P paper rolls for rolls with a diameter of 25mm (31/32 inches) or less, or use paper rolls with a 12mm (15/32 inches) inside diameter and up to 80mm (3-5/32 inches) outside diameter.

How do I switch between print mode and non-print mode on this calculator?

Press the MEMORY + KEY / PRINT ON / OFF KEY to toggle between print mode (P on the display) and non-print mode (NP on the display).

How can I set the number of decimal places for calculation results?

You can set the number of decimal places in the result using the MEMORY-KEY / DECIMAL SELECTION KEY. Pressing DEC allows you to choose between various decimal place settings.

How do I set the tax rate on this calculator?

You can set the tax rate by pressing the TAX RATE SET KEY. A maximum of 4 digits, excluding the decimal point, can be stored as the tax rate.

How do I reset the calculator if it becomes inoperative or if all keys are disabled?

If the calculator becomes inoperative or all keys are disabled, you can press the RESET switch located on the bottom of the unit. Use a ballpoint pen to press the RESET switch. This action will clear the stored tax rate and other data in the memory.

Can I use AC power with this calculator, and how do I connect the AC adapter?

You can use AC power with the calculator by connecting the optional AC adapter. Make sure to turn the calculator's power off when connecting or disconnecting the AC adapter. The AC adapter allows the calculator to switch from battery power to AC power.

What should I do if the display becomes dim or the printer stops during printing?

If the display becomes dim or the printer stops during printing, it may be time to replace the batteries. The calculator operates on four size AA (or R6) manganese dry batteries. After replacing the batteries, press OFF and ON in that order to clear the calculator.

How do I reset the unit to its default state?

In situations where the unit becomes inoperative, or if all keys are disabled, you can press the RESET switch located on the bottom of the calculator. Use a ballpoint pen to press the RESET switch. This action will clear the stored tax rate and other data stored in the memory.

Video- Product Overview



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