

ELECTRONIC PRINTING CALCULATOR CALCULADORA IMPRESORA ELECTRÓNICA

EL-1750V

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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(TINSZ1506EHTV)

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.
 - This product, including accessories, may change due to upgrading without prior notice.
 - The optional AC adaptor (EA-28A) is not available in some regions. Please ask your SHARP dealer for details.

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.")

Adjusting date and time

Example: When the date is September 15, 2012, and the time is 3:38 p.m.

Operation	Display
	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 • P P•IC • ON

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 $\boxed{C/CE}$ $\boxed{C/CE}$ $\boxed{C/CE}$ 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 \boxed{GT} key.
- The memory item counter will count the number of times that the $\boxed{M+}$ key has been pressed in the addition.
Note: • Each time the $\boxed{M-}$ 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 $\boxed{M+}$ 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.

ROUNDING SELECTOR:

Example: Set Decimal Selector to 2.
4 ÷ 9 = 0.444 ... , 5 ÷ 9 = 0.555 ...

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

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

GRAND TOTAL / RATE SETTING MODE SELECTOR:

GT: Grand Total

•: 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 $\boxed{C/CE}$ to complete the entry.
 - Use $\boxed{-}$ to separate month, day, and year.
- When $\boxed{C/CE}$ 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 $\boxed{C/CE}$ 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 $\boxed{-}$ to separate hour and minute values.
- When $\boxed{C/CE}$ 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 $\boxed{C/CE}$ three times, enter the tax rate, followed by $\boxed{TAX+}$.
 - 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.

DECIMAL / ADD MODE SELECTOR:

3 2 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 $\boxed{\cdot}$, $\boxed{\times}$ and $\boxed{\div}$ 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

- **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 such as code, date, etc.
Subtotal – Used to get subtotal(s) of additions and/or subtractions. When pressed following the $\boxed{+}$ or $\boxed{-}$ key, the subtotal is printed with the symbol "0" 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" 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 • 2012 • (when the date is September 15, 2012)
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 $\boxed{TAX+}$ to print the set tax rate.

TOTAL KEY

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

RECALL AND CLEAR MEMORY KEY

RECALL MEMORY KEY

PRE-TAX 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.
- G** : Appears when a number is in the grand total memory.
- E** : Appears when an overflow or other error is detected.
- TAX+** : Appears when the total calculated includes tax.
- TAX-** : Appears when the total calculated excludes tax.
- TAX** : Appears when the tax rate is set.

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.

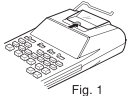


Fig. 1

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 \boxed{R} .
- 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 \boxed{R} . (Fig. 2)
 - Lift the attached metal paper holder up and insert the paper roll to the paper holder. (Fig. 3)

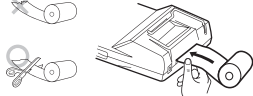


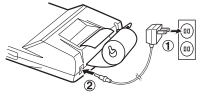
Fig. 1

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

HOW TO CONNECT THE AC ADAPTOR

This machine can also be operated on AC power by the use of the 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-65A, EA-28A(Optional)



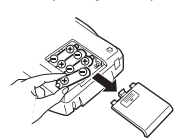
CAUTION

Use of other than the AC adaptor EA-65A/28A may apply improper voltage to your SHARP calculator and will cause damage.

BATTERY REPLACEMENT (OPTION)

- To install or Replace Batteries** — 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.
- Set the power switch to OFF.
 - Remove the battery cover by sliding it in the direction of the arrow on the cover.
 - 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.
 - Put back the battery cover.

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



- If the leaked electrolyte gets into eyes, wash off with clean water, and consult your doctor immediately.
- If the leaked electrolyte gets on your skin or clothes, wash 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.

- Si el electrolito fugado entra en contacto con sus ojos, lávelos con agua limpia, y consulte inmediatamente a su médico.
- Si el electrolito fugado entra en contacto con su piel o ropa, lávela a fondo con agua.
- Cuando no vaya a utilizar las pilas durante mucho tiempo, extraígalas.
- No deje pilas agotadas en la unidad.
- No mezcle pilas nuevas con viejas, ni pilas de tipos diferentes.

SELECTOR DEL MODO DE DECIMAL / SUMA:

3 2 0: Prefija el número de lugares decimales de la respuesta.

F: La respuesta se visualizará en el sistema decimal flotante.

A: El punto decimal en las introducciones de suma y resta se coloca automáticamente al segundo dígito a partir del último dígito del número introducido. Utilizando el modo de suma se pueden sumar y restar números sin introducir el punto decimal. El uso de $\boxed{\cdot}$, $\boxed{\times}$ y $\boxed{\div}$ anula automáticamente el modo de suma e imprime las respuestas decimales correctas.

TECLA DEL RELOJ / CALENDARIO:

- Cada vez que pulse esta tecla, el modo cambiará.
- Modo de cálculo → Modo de visualización de la fecha → Modo de visualización del reloj → Modo de cálculo
- Utilice esta tecla para ajustar también la fecha y la hora (consulte "SELECTOR DEL MODO DE GRAN TOTAL / FIJACIÓN DE TASA").

TECLA DE AVANCE DEL PAPEL

TECLA DE NO SUMA / TOTAL PARCIAL:

- **No-suma** – Cuando se aprieta esta tecla inmediatamente después de haber ingresado un número en el modo de impresión, el número registrado se imprime a la izquierda, junto con el símbolo "#". Esta tecla se usa para imprimir números que no están sujetos a cálculos como, por ejemplo, códigos, fechas, etc.
- **Total parcial** – Se usa para obtener uno o varios totales parciales de sumas y/o restas. Cuando se aprieta a continuación de la tecla $\boxed{+}$ o $\boxed{-}$, se imprimirá el total parcial junto con el símbolo "0" pudiéndose seguir con los cálculos.
- **Apretando esta tecla incluso en el modo de no impresión, el número visualizado se imprimirá sin ningún símbolo.**
- Cuando el INTERRUPTOR DE LA ALIMENTACIÓN; SELECTOR DEL MODO DE IMPRESIÓN / MODO PARA CONTAR ARTICULOS esté en la posición "+" o "P•" o "P•IC", y esté visualizándose la fecha o la hora, pulse esta tecla para imprimir el contenido visualizado, incluyendo el símbolo "#", desde el lado derecho del rollo de papel.
Ejemplo:
Impresión de la fecha
#9 • 15 • 2012 • (cuando la fecha sea el 15 de septiembre de 2012)
Impresión del reloj
#10 • 30 • (cuando la hora sea 10:30 a.m.)
#6 • 25 • (cuando la hora sea 6:25 p.m.)
- Cuando finalice la impresión de la fecha u hora, volverá al modo de cálculo.

TECLA DE BORRADO / BORRADO DE ENTRADA

Presione esta tecla dos veces, seguida por $\boxed{TAX+}$, para imprimir la tasa de impuestos establecida.

TECLA TOTAL

TECLA DE CAMBIO DE SIGNO:

Cambia el signo algebraico de un número (es decir, de positivo a negativo o de negativo a positivo).

TECLA DE TOTAL Y BORRADO DE MEMORIA

TECLA DE TOTAL PARCIAL EN MEMORIA

TECLA DE ANTES DE IMPUESTOS

TECLA DE INTRODUCCIÓN DEL PRECIO DE COSTE:

Pulse esta tecla para introducir el precio de coste.

TECLA DE INTRODUCCIÓN DEL PRECIO DE VENTA:

Pulse esta tecla para introducir el precio de venta.

TECLA DE INTRODUCCIÓN DEL MARGEN:

Pulse esta tecla para introducir el margen.

TECLA DE CÁLCULOS DE CAMBIOS:

- Para saber el cambio que se debe devolver, muestre primero el precio en la pantalla, luego introduzca la cantidad recibida y seguidamente pulse esta tecla. El cambio se calcula según el ajuste del SELECTOR DEL MODO DE DECIMAL / SUMA y el ajuste del SELECTOR DE REDONDEO.
- El resultado intermedio de una suma o resta en el cálculo del cambio se retiene.
- Mientras el INTERRUPTOR DE LA ALIMENTACIÓN; SELECTOR DEL MODO DE IMPRESIÓN / MODO PARA CONTAR ARTICULOS se coloca en "P" o "P•IC", la cantidad del pago se imprime después de "....." y el cambio se imprime con "CG".
Nota: El cambio mostrado no se añadirá a la memoria del gran total.

SÍMBOLOS DEL VISUALIZADOR:

- M** : Aparece cuando un número se almacena en la memoria.
- : Aparece cuando el número es negativo.
- G** : Aparece cuando un número está en la memoria de gran total.
- E** : Aparece cuando se detecta un error o se supera la capacidad.
- TAX+** : Aparece cuando el total calculado incluye impuesto.
- TAX-** : Aparece cuando el total calculado excluye impuesto.
- TAX** : Aparece cuando se establece la tasa de impuestos.

CAMBIO DEL RODILLO ENTINTADOR

Si la impresión queda borrosa aunque esté bien colocado el rodillo entintador, reemplace el rodillo.

Rodillo entintador: Tipo EA-772R

ADVERTENCIA
ECHANDO TINTA EN UN RODILLO ENTINTADOR ROTO O USANDO UN RODILLO ENTINTADOR NO AUTORIZADO PUEDE CAUSAR DETERIOROS GRAVES EN LA IMPRESORA.

- Ponga el interruptor de la alimentación en "OFF".
- Saque la tapa de la impresora. (Fig. 1)
- Sujete la parte superior del rodillo entintador y extraiga el rodillo tirando de él hacia usted y hacia arriba. (Fig. 2)
- Instale el nuevo rodillo entintador en la posición correcta. Cerciórese de que el rodillo esté firmemente colocado en su sitio. (Fig. 3)
- Ponga de nuevo en su lugar la tapa de la impresora.

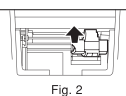


Fig. 2

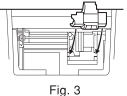


Fig. 3

Limpieza del mecanismo de impresión
Si la impresión se debilita después de usar la calculadora durante largo tiempo, limpie la rueda de impresión de acuerdo con el siguiente procedimiento:

- Quite la tapa de la impresora y el rodillo entintador.
 - Instale el rollo de papel y hacerlo avanzar hasta que salga por la parte delantera del mecanismo de impresión.
 - Apoye un cepillo pequeño (similar a un cepillo de dientes) ligeramente sobre la rueda de impresión y límpiela pulsando \boxed{R} .
 - Vuelva a colocar el rodillo entintador y la tapa de la impresora.
- Note: • No trate de girar la rueda de impresión manualmente, ya que de lo contrario podría dañar la impresora.

CAMBIO DEL ROLLO DEL PAPEL

Nunca introduzca un rollo de papel roto. Esto causará atascos del papel.

- Corte siempre en primer lugar el borde anterior.
- Introduzca el borde del papel del rollo de papel en la abertura. (Fig. 1)
 - Conecte la alimentación y haga avanzar el papel apretando \boxed{R} . (Fig. 2)
 - Levante el soporte metálico para papel incorporado e introduzca el rollo de papel en el soporte. (Fig. 3)



Fig. 2



Fig. 3

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

MANERA DE CONECTAR EL ADAPTADOR DE CA

Esta calculadora puede también funcionar con corriente alterna usando un adaptador de CA. Cuando conecte adaptador de CA a la calculadora, la fuente de alimentación se conmutará automáticamente de pilas secas a corriente alterna.

Adaptador de CA: Modelo EA-65A, EA-28A(Opcional)

Para conectar el adaptador de CA, siga los pasos ① y ②.

Para desconectar el adaptador de CA, invierta simplemente el procedimiento.

PRECAUCIÓN
El uso de otro adaptador que no sea el EA-65A/28A podría ocasionar la entrada de una tensión inadecuada a su calculadora SHARP y provocar deterioros en la misma.

CAMBIO DE PILAS (OPCIONALES)

- Para instalar o cambiar las pilas** — Cuando las pilas se debiliten, es posible que la impresión se detenga, y que las imágenes visualizadas desaparezcan. Cuando observe estos síntomas, reemplace las pilas por otras nuevas.
- Ponga el interruptor de la alimentación en "OFF".
 - Saque la tapa de las pilas deslizándola en el sentido indicado por la flecha de la tapa.
 - Coloque nuevamente las pilas. Cerciórese de que las marcas "+" y "-" de las pilas correspondan con las marcas "+" y "-" de la calculadora. Siempre coloque las 4 pilas al mismo tiempo.
 - Coloque nuevamente la tapa de las pilas.

Pilas: Pilas de manganeso, tamaño AA (o R6) × 4

