

**SHARP**<sup>®</sup>**ELECTRONIC PRINTING CALCULATOR**  
**CALCULADORA IMPRESORA ELECTRÓNICA****OPERATION MANUAL**  
**MANUAL DE MANEJO****EL-2196BL**

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.

### NOTAS AL MANEJARLA

A fin de que su calculadora SHARP funcione sin averías, le recomendamos lo siguiente:

- Evite dejar la calculadora en ambientes en que haya cambios de temperatura, humedad y polvo bastante notables.
- Al limpiar la calculadora, utilice un paño suave y seco. No use disolventes ni tampoco un paño húmedo.
- Debido a que este producto no es a prueba de agua, no deberá ser utilizado o guardado en lugares donde pudiera ser salpicado por líquidos, por ejemplo agua. Gotas de lluvia, salpicaduras de agua, jugos o zumos, café, vapor, transpiración, etc. también perjudican el funcionamiento del producto.
- Si necesita reparar esta unidad, diríjase sólo a un distribuidor SHARP, a un centro de servicio autorizado por SHARP o a un centro de reparaciones SHARP.
- No utilice esta unidad con la lamina aislante fijada; la lámina aislante impide que la pila se descargue durante el envío, y se encuentra en la parte posterior del cuerpo de la unidad. Si no quita la lámina aislante, tan pronto como se desconecte accidentalmente la alimentación de CA, se borrarán la fecha y la hora previamente ajustadas, así como la información sobre la tasa de impuestos.
- No bobine el cable de CA alrededor de la calculadora, y no lo doble o retuerza a la fuerza.

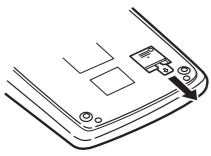
SHARP no será responsable de ningún daño imprevisto o resultante, en lo económico o en propiedades, debido al mal uso de este producto y sus periféricos, a menos que tal responsabilidad sea reconocida por la ley.

### 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, 2005, 12:00:00 a.m.

#### Adjusting date and time

Example: When the date is September 15, 2004, and the time is 3:38 p.m.

Operation	Display
 9 $\cdot$ 15 $\cdot$ 2004  15 $\cdot$ 38  	9-15-2004 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











"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.

- The counter will count the number of times that the  key has been pressed in addition.
  - Note:
    - Each time the  key is used in subtraction, 1 will be subtracted from the count.
    - The count is printed when the calculated result is obtained.
    - Pressing of the , , or  key 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.

**F 6 3 2 1 0**  



**DECIMAL SELECTOR:**


Presets the number of decimal places in the answer. In the "F" position, the answer is displayed in the floating decimal system.

**K • A**  


**CONSTANT/ADD MODE SELECTOR:**




"K": The following constant functions will be performed:

**Multiplication:**  
The calculator will automatically remember the first number entered (the multiplicand) and  instruction.

**Division:**  
The calculator will automatically remember the second number entered (the divisor) and  instruction.

"\*": Neutral

"A": Use of the Add mode permits addition and subtraction of numbers without an entry of the decimal point. When the Add mode is activated, the decimal point is automatically positioned according to the decimal selector setting.

Use of ,  and  will automatically override the Add mode and **decimally** correct answers will be printed at the preset decimal position.



**↑ 5/4 ↓**  


**ROUNDING SELECTOR:**

"↑": An answer is rounded up.

"5/4": An answer is rounded off.

"↓": An answer is rounded down.

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 (**↓**).




**RATE**  
**GT • SET**  


"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  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 / discount rate:**

- Press  twice, enter the tax rate, followed by .
- Press  twice, enter the discount rate, followed by  then .
- A maximum of 4 digits can be stored (decimal point is not counted as a digit).  
Note:
  - Be sure to set this selector to the "\*" position after storing an each rate.
  - Only one rate can be stored. If you enter a new rate, the previous rate will be cleared.




- 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").









**TOTAL KEY:**  
Press this key twice, followed by , to print the set tax rate.  
The tax rate is printed with the symbol "TX".





























- Notas:
- Cada vez que se use la tecla  en la resta, 1 será restado de la cuenta.
  - La cuenta queda impresa al llamarse la memoria.
  - Apretando la tecla  se borra el contador.


Nota: El contador tiene una capacidad de un máximo de 3 cifras (hasta ±999). Si la cuenta excede el máximo, el contador vuelve a contar partiendo de cero.


**F 6 3 2 1 0**  


Prefija el número de lugares decimales de la respuesta. En "F", la respuesta aparecerá en la exhibición en el sistema decimal flotante.

**K • A**  





"K": Se podrán realizar las siguientes funciones de constantes:

**Multiplicación:**  
La calculadora retendrá automáticamente el primer factor registrado (el multiplicando) y la instrucción .

**División:**  
La calculadora retendrá automáticamente el segundo factor registrado (el divisor) y la instrucción .

"\*": Neutra.

"A": Utilizando el modo de suma se pueden sumar y restar números sin registrar el punto decimal. Cuando se activa el modo de suma, el punto decimal se coloca automáticamente de acuerdo con el ajuste del selector decimal.



El uso de ,  y  desactivará automáticamente el modo de suma y las respuestas decimalmente correctas se imprimirán en la posición decimal prefijada.

**↑ 5/4 ↓**  


"↑": El resultado es redondeado hacia arriba.

"5/4": El resultado no es redondeado.

"↓": El resultado es redondeado hacia abajo.

Nota: El punto (= coma) decimal flota mientras se hacen cálculos sucesivos usando  o .

Si el selector decimal se coloca en "F", la respuesta siempre se redondea por defecto (**↓**).




**RATE**  
**GT • SET**  


"GT": Total Global




"\*": Neutra

"RATE SET ": Para ajustar la fecha, la hora, y la tasa de impuestos, ponga este selector en la posición "RATE SET".






**Fecha:**

- Introduzca, por este orden, el mes, el día, y el año, y después pulse  para finalizar la introducción.
- Utilice  para separar el mes, el día, y el año.
- Cuando pulse , el número introducido se evaluará y visualizará como "fecha" si el valor introducido está dentro del margen; de lo contrario se visualizará "Error", y se restablecerá la fecha preestablecida.  
Mes: 1 - 12; día: 1 - 31; año: 2000 - 2099 (introduzca 4 dígitos) o 00 - 99 (introduzca 2 dígitos)

**Hora:**

- Introduzca, por este orden, la hora y los minutos, y después pulse  para completar la introducción. (No es posible introducir los segundos. El reloj comenzará a funcionar a partir de cero segundos.)
- Si los dígitos de la hora/minutos son inferiores a 10, no será necesario introducir el primer dígito "0".
- Utilice  para separar los valores de la hora y los minutos.
- Cuando pulse , el número introducido se evaluará y visualizará como "hora" si el valor está dentro de la gama; en caso contrario se visualizará "Error", y se restablecerá la hora previamente ajustada.  
Hora: 0 - 23 (sistema de 24 horas para la introducción de la hora), Minutos: 0 - 59

**Tasa de impuesto / descuento:**

- Pulse  dos veces, introduzca la tasa de impuesto, seguido por .
- Pulse  dos veces, introduzca la tasa de descuento, seguido por  y después .
- Se puede almacenar un máximo de 4 dígitos (la coma decimal no cuenta como un dígito).  
Nota:
  - Asegúrese de poner este selector en la posición "\*" después de almacenar cada tipo.
  - Sólo puede almacenar un tipo. Si introduce un tipo nuevo, el tipo anterior se borrará.




- 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 TOTAL GLOBAL / FIJACIÓN DE TASA").










**TECLA DE TOTAL:**  
Presione esta tecla dos veces, seguida por , para imprimir la tasa de impuestos establecida. El tasa de impuesto se imprime con el smbolo "TX".
































**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 subjects to calculation such as code, date, etc.

**Subtotal** – Used to get subtotal(s) of additions and/ or subtractions. When pressed following the  or  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 with the symbol "P".**

•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 • 2004 • • • • •  
(when the date is September 15, 2004)  
Clock printing  
#10 • 30 A  
(when the time is 10:30 a.m.)  
#6 • 25 P  
(when the time is 6:25 p.m.)

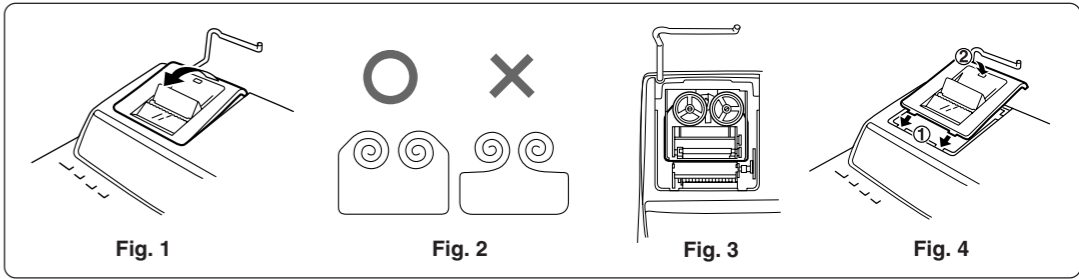
•When the Date / Clock printing is complete, the Calculation mode is restored.

**DISPLAY SYMBOLS:**

- M** : A number has been stored in memory.
- : The display value is negative.
- E** : Error or overflow of capacity.
- : Appears when a number is in the grand total memory.

### INK RIBBON REPLACEMENT


- Remove the paper roll from the calculator. (Tear the paper and remove it from the print mechanism by using .)
- Turn the power off before replacing ribbon.**
- Remove the printer cover. (Fig. 1)
- Remove the old ribbon by pulling it up.
- Insert the new ribbon.
- With the black side of the ribbon facing upwards, place one of the reels on the reel shaft on the right. (Fig. 2) Make sure that the reel is securely in place.
- Thread the ribbon around the outside of the metal guides. (Fig. 3)
- Take up any slack by manually turning one of the reels.
- Replace the printer cover. (Fig. 4)
- Replace the paper roll.

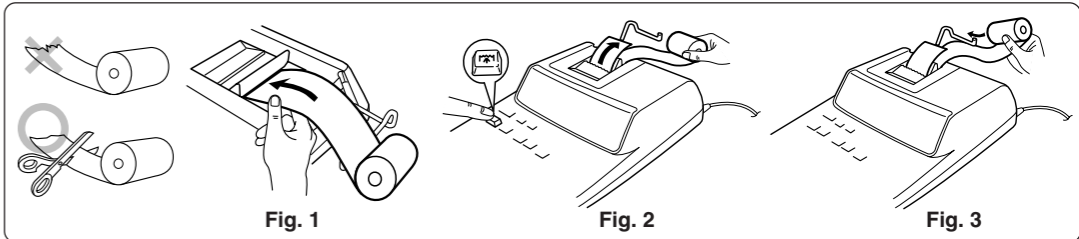


### PAPER ROLL REPLACEMENT

**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)
- Insert the paper roll to the paper holder. (Fig. 3)



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



**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  o , se imprimirá el total parcial junto con el símbolo "0" pudiéndose seguir con los cálculos.

**Al apretar esta tecla, incluso en el modo de no impresión, se imprimirá el número que aparece en la exhibición con el símbolo "P".**

## REPLACEMENT OF BATTERY FOR MEMORY PROTECTION

### Time for battery replacement

Life of the memory protection battery is approximately 2,500 hours at 25°C(77°F) with the power plug not connected to the socket.

\* When the memory protection battery is weak, the date/time setting is initialised (11/1/2005, 12:00:00 a.m.).

Verify the date/time setting in the date/clock display mode when connecting the power plug to the socket.

If the date/time setting is modified or incorrect, promptly replace the memory protection battery with new one.

(The life of the pre-installed battery may be shorter than expected because of the time the calculator spends during shipment.)

### Method of battery replacement

Use one lithium battery (CR2032).

**Caution:** Replacing the battery will clear the date and time settings, and the stored tax rate.

- Turn the power switch "OFF" and unplug the power supply plug from the outlet.
- Remove the battery cover on the back of the unit. (Fig. 1)
- Remove the exhausted battery and install one new lithium battery. Wipe the battery well with a dry cloth and place the plus "+" side upward. (Fig. 2)
- Replace the battery cover by reversing the removal procedure.
- Press the RESET switch on the back of the unit (See "RESETTING THE UNIT").

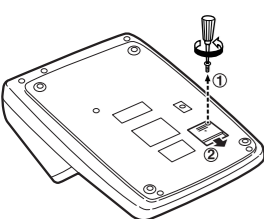


Fig. 1

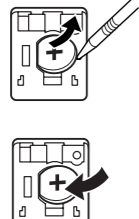


Fig. 2

## CAMBIO DE LA PILA PARA PROTECCIÓN DE LA MEMORIA

### Plazo para cambiar la pila

La duración de la pila de protección de la memoria será de aproximadamente 2.500 horas a 25°C sin el enchufe de alimentación conectado a un tomacorriente.

\* Cuando la pila de protección de la memoria se debilita, se inicializará la fecha/hora (11/1/2005, 12:00:00 a.m.).

Verifique el ajuste de la fecha/hora en el modo de visualización de la fecha/reloj cuando conecte el enchufe de alimentación a un tomacorriente.

Si el ajuste de la fecha/hora se ha modificado o es incorrecto, reemplace inmediatamente la pila de protección de la memoria por otra nueva.

(La duración de la pila instalada en fábrica puede ser más corta de la esperada debido al tiempo transcurrido desde el envío de la calculadora.)

### Método de cambio de la pila

Utilice una pila de litio (CR2032).

**Precaución:** El reemplazo de la pila borrará los ajustes de la fecha y la hora, y la tasa de impuestos almacenada.

- Ponga el interruptor de la alimentación en "OFF" y desenchufe la clavija de alimentación de la toma de corriente.
- Retire la cubierta de la pila de la parte posterior de la unidad. (Fig. 1)
- Retire la pila agotada e instale una pila de litio nueva. Limpie bien la pila con un paño seco y coloque el lado positivo "+" hacia arriba. (Fig. 2)
- Vuelva a colocar la cubierta de la pila siguiendo a la inversa el procedimiento de retirada.
- Pulse el interruptor RESET de la parte posterior de la unidad (Consulte "REPOSICIÓN DE LA UNIDAD").

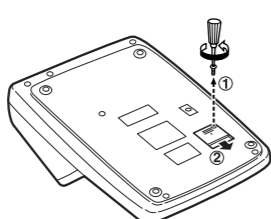


Fig. 1

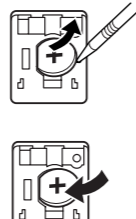


Fig. 2

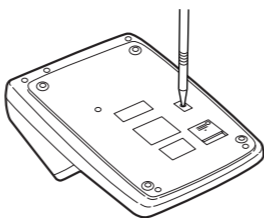
## RESETTING THE UNIT

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.

### Notes:

- Pressing the RESET switch will clear the date and time settings, the tax rate setting, and the contents of 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, connect the power supply plug to an outlet. Turn the power switch "ON" and check that "0." is displayed.



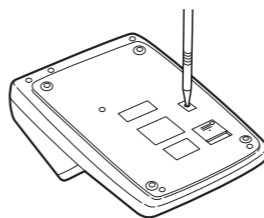
## REPOSICIÓN DE LA UNIDAD

Los impactos fuertes, la exposición a campos eléctricos u otras condiciones inusuales pueden ser la causa de que la unidad no funcione, y pulsar las teclas no servirá de nada. Si pasa esto, tendrá que pulsar el interruptor RESET de la parte inferior de la unidad. El interruptor RESET sólo deberá pulsarse cuando:

- Se produzca alguna anomalía y no funcione ninguna tecla.

### Notas:

- Si pulsa el interruptor RESET, se borrarán los ajustes de la fecha, la hora, la tasa de impuestos, y el contenido de la memoria.
- Use solamente un bolígrafo para pulsar el interruptor RESET. No use nada que pueda romperse ni tampoco algo muy puntiagudo como, por ejemplo, una aguja.
- Después de pulsar el interruptor RESET, conecte la clavija de alimentación a una toma de corriente. Ponga el interruptor de la alimentación en "ON" y compruebe que se visualice "0."



## CALCULATION EXAMPLES

- Set the decimal selector as specified in each example. The rounding selector should be in the "5/4" position unless otherwise specified.
- The constant/add mode selector and grand total/rate setting mode selector should be in the "-" position (off) unless otherwise specified.
- The print/item count mode selector should be in the "P" position unless otherwise specified.
- If an error is made while entering a number, press  $\text{CE}$  or  $\text{C}$  and enter the correct number.
- Negative values are printed with "-" symbol in red.

## PRINTING DATE AND TIME IMPRESIÓN DE LA FECHA Y LA HORA

EXAMPLE: When on October 20, 2005, 1:52:00 p.m.

EJEMPLO: En el 20 de octubre de 2005, a las 1:52:00 p.m.

Operation Operación	Display Visualización	Print Impresión
$\text{P}$ 1	10-20-2005	
$\%$	0.	#10*20*2005****
$\text{P}$ $\text{P}$	1-52 00 P	
$\%$	0.	#1*52 P

\*1 : If the date is not shown on the display, press  $\text{P}$  to show the date.

\*1 : Si la fecha no se muestra en el visualizador, pulse  $\text{P}$  para hacer que se indique.

## MIXED CALCULATION/CÁLCULOS MIXTOS

(240 + 180 + 180 - 75) × 8 =

			F 6 3 2 1 0
240 $\text{+}$	240.	240+	
180 $\text{+}$	420.	180+	
180 $\text{+}$	600.	180+	
75 $\text{-}$	525.	75-	
$\times$		525*	
	525.	525*	
8 $\text{=}$		8=	
	4,200.	4*200*	

## CONSTANT/CONSTANTES

62.35 × 11.11 =

			K • A	F 6 3 2 1 0
62.35 $\text{X}$	62.35	62*35 $\times$		
11.11 $\text{=}$		11*11 = K		
	692.71	692*71 *		
22.22 $\text{=}$		22*22 = K		
	1,385.42	1*385*42 *		

11.11 ÷ 77.77 =

			K • A	F 6 3 2 1 0
22.22 ÷ 77.77 =				
11.11 $\text{=}$	11.11	11*11 ÷		
77.77 $\text{=}$		77*77 = K		
	0.143	0*143 *		
22.22 $\text{=}$		22*22 = K		
	0.286	0*286 *		

## PERCENT/PORCENTAJES

100 × 25% =

			K • A	F 6 3 2 1 0
100 $\text{X}$	100.	100*		
25 $\%$		25%		
	25.00	25*00 *		
(123 ÷ 1368) × 100 =			F 6 3 2 1 0	
123 $\text{=}$	123.	123÷		
1368 $\%$		1*368 ÷		
	8.99	8*99 *		

## EJEMPLOS DE CÁLCULOS

- Colocar el selector decimal según se especifica en cada ejemplo. El selector de redondeo debe estar en la posición "5/4" salvo que se especifique lo contrario.
- El selector del modo de constante/suma y total global/fijación de tasa deben estar en la posición "+" (desconexión) salvo que se especifique lo contrario.
- El selector del modo de impresión/modo para contar artículos debe estar colocado en la posición "P" a menos que se especifique lo contrario.
- Si se hace un error al ingresar un número, apretar  $\text{CE}$  o  $\text{C}$  e ingresar el número correcto.
- Los valores negativos se imprimen con el símbolo "-" en rojo.

## CHANGE/CAMBIO PERCENTUAL

Markup and Profit Margin are both ways of calculating percent profit.

-Profit margin is percent profit vs. selling price.

-Markup is percent profit vs. cost.

-Cost is the cost.

-Sell is the selling price.

-GP is the gross profit.

-Mkup is the percent profit based on cost.

-Mrgn is the percent profit based on selling price.

## INCREMENTO PORCENTUAL Y MARGEN

Tanto la función del incremento porcentual como la del margen de beneficio son formas de calcular el beneficio porcentual.

-El margen de beneficio es el beneficio porcentual con respecto al precio de venta.

-El incremento porcentual es el beneficio porcentual con respecto al coste.

-Cost es el coste.

-Sell es el precio de venta.

-GP es el beneficio bruto.

-Mkup es el beneficio porcentual basado en el coste.

-Mrgn es el beneficio porcentual basado en el precio de venta.

To find Para encontrar	Knowing Sabiendo	Operation Operación
Mrgn	Sell, Cost	Cost $\text{=}$ Sell $\text{=}$ MU
Mkup	Sell, Cost	Sell $\text{=}$ Cost $\text{=}$ MU
Sell	Cost, Mrgn	Cost $\text{+}$ Mrgn MU
Cost	Sell, Mrgn	Sell $\text{x}$ Mrgn $\text{=}$ MU
Sell	Cost, Mkup	Cost $\text{x}$ Mkup MU
Cost	Sell, Mkup	Sell $\text{=}$ Mkup $\text{=}$ MU

Ex./Ej.	Operation Operación	Display Visualización	Print Impresión
Cost \$200			
Sell \$250			
GP \$50			
Mkup 25%			
Mrgn 20%			
	200 $\text{+}$	200.	200+ Cost
	20 MU		20%* Mrgn
		50.00	250*00 * Sell
			50*00 GP GP

## GRAND TOTAL/TOTAL GLOBAL

100 + 200 + 300 =

+ 500 - 600 + 700 =

			OFF • P P•IC	F 6 3 2 1 0
Grand total/Total global				
100 $\text{+}$	100.	100+ +		
200 $\text{+}$	300.	200+ +		
300 $\text{+}$	600.	300+ +		
$\times$		600* *		
	600.	600* *		
500 $\text{+}$	500.	500+ +		
600 $\text{-}$	100.	600- -		
700 $\text{+}$	600.	700+ +		
$\times$		600* *		
	600.	600* *		
GT		1,200* *G		
	1,200.			

## MEMORY/MEMORIA

46 × 78 = ①

+125 ÷ 5 = ②

-) 72 × 8 = ③

Total ④

			OFF • P P•IC	F 6 3 2 1 0
46 $\text{X}$	46.	46*		
78 $\text{M}$		78=		
	3,588. <sup>M</sup>	3*588+M ①		
125 $\text{=}$	125. <sup>M</sup>	125÷		
5 $\text{M}$		5=		
	25. <sup>M</sup>	25+M ②		
72 $\text{X}$	72. <sup>M</sup>	72*		
8 $\text{M}$		8=		
	576. <sup>M</sup>	576*-M ③		
$\text{OM}$		3*037*OM ④		
	3,037. <sup>M</sup>			
$\text{XM}$		3*037* *M		
	3,037.			

\*: Press  $\text{XM}$  to clear the memory before starting a memory calculation.

\*: Apretar  $\text{XM}$  para cancelar la memoria antes de empezar a efectuar un cálculo con memoria.

Caution!  
The socket outlet shall be installed near the equipment and shall be easily accessible.  
Aviso!  
El tomacorriente debe estar instalado cerca del equipo y debe quedar bien accesible.

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			F 6 3 2 1 0
100 $\text{X}$	100.	100*	
10 $\text{=}$		10%	
		10*00	
		90*00 *	

## PERCENT CHANGE/CAMBIO PERCENTUAL

• Calculate the dollar difference (a) and the percent change (b) between two yearly sales figures \$1,500 in one year and \$1,300 in the previous year.

• Calcular la diferencia en dólares (a) y el cambio porcentual (b) entre dos cifras de ventas anuales, \$1,500 en un año y \$1,300 el año anterior.

			F 6 3 2 1 0
1500 $\text{=}$	1,500.00	1,500*00 +	
1300 $\text{-}$	200.00	1,300*00 -	
$\text{MU}$		200*00 *	(a)
	15.38	15*38 %C	(b)

## ITEM COUNT CALCULATION/ CÁLCULO DE CUENTA DE ARTÍCULOS

Bill No. N° de factura	Number of bills Cantidad de facturas	Amount Importe
1	1	\$100.55
2	1	\$200.00
3	1	\$200.00
4	1	\$400.55
5	1	\$500.65
Total	(a)	(b)

## OFF • P P•IC F 6 3 2 1 0

			OFF • P P•IC	F 6 3 2 1 0
100.55 $\text{X}$	100.55	100*55 +		
200 $\text{+}$	300.55	200*00 +		
$\text{=}$	500.55	200*00 +		
400.55 $\text{+}$	901.10	400*55 +		
500.65 $\text{+}$	1,401.75	500*65 +		
$\text{X}$		005		(a)
	1,401.75	1*401*75 *		(b)

## TAX RATE CALCULATIONS / CÁLCULOS CON EL TIPO DE IMPUESTO

EXAMPLE 1: Set a 5% tax rate.

Calculate the tax on \$800 and calculate the total including tax.

EJEMPLO 1: Establezca un tasa de impuesto del 5%. Calcule el impuesto sobre \$800 y calcule el total incluyendo el impuesto.

OFF • P P•IC F 6 3 2 1 0

			OFF • P P•IC	F 6 3 2 1 0
800 $\text{X}$	800.	800*		
5% $\text{=}$		5*000 %		
	5.			
TAX+				
	5,000 %			
800 $\text{+}$	840.	840*		
TAX+		40* TX		
	840.	840*		
	840.			

EXAMPLE 2: 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%)

EJEMPLO 2: Realice dos cálculos utilizando \$840 y \$525, los cuales ya incluyen impuesto. Calcule el impuesto sobre el total y el total sin impuesto. (tasa de impuestos: 5%)

F 6 3 2 1 0

			F 6 3 2 1 0
840 $\text{+}$	840.	840+ +	
525 $\text{+}$	1,365.	525+ +	
TAX+		1*365* *	
		65- -	
	1,300.	1*300*	

## LIMITED WARRANTY

SHARP ELECTRONICS CORPORATION warrants to the first consumer purchaser that this Sharp brand product (the "Product"), when shipped in its original container, will be free from defective workmanship and materials, and agrees that it will, at its option, either repair the defect or replace the defective Product or part thereof with a new or remanufactured equivalent at no charge to the purchaser for parts or labor for the period set forth below.

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Model Number \_\_\_\_\_ Serial Number \_\_\_\_\_  
Date of Purchase \_\_\_\_\_ Place of Purchase \_\_\_\_\_

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