



E-IM-3394

INSTRUCTIONS EN
INSTRUCCIONES ES

ROUNDING SWITCH

ROUNDING



Used for round-up [↑], round-off [5/4], or round-down [↓] to the pre-selected decimal digits in the result.

GRAND TOTAL / RATE SET SWITCH

GT



OFF ON RATE SET

GT



OFF ON RATE SET

GT



OFF ON RATE SET

GRAND TOTAL

When the calculations are performed with the GT switch set to "ON", the totals are accumulated in the grand total memory. Each time [GT] is pressed, the subtotal number is printed with the symbols GT. When [GT] is pressed, the intermediate grand total is printed with the symbols GX. Press [GT] successively to get the grand total followed by the symbols G.

RATE SET

Set switch to "RATE SET" for setting or recalling the tax and currency rate.

AUTO POWER SAVE

When the power is "ON" and the calculator is not being used for approx. 7 minutes, the calculator will automatically switch to power save mode. Press [CE] to resume; the calculator will return to normal calculation mode.

OVERFLOW FUNCTION

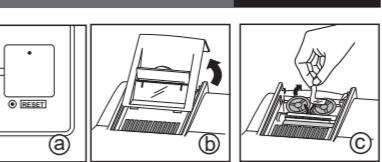
In the following cases, when "E" is displayed, "ERR" is printed, the keyboard is electronically locked, and further operation is impossible. Press [CE] to clear the overflow. The overflow occurs when:

- 1) The result or the memory content exceeds 12 digits to the left of the decimal point.
 - 2) Dividing by "0".
 - 3) The sequential operation speed is faster than the calculation processing speed. (Buffer Register Overflow)
- NOTA:** Electromagnetic interference or electrostatic discharge may cause the display to malfunction or the contents of the memory to be lost or altered.

Should this occur, use the tip of a ball point pen (or similar sharp object) to press the [RESET] button at the back of the calculator. After resetting, be sure to set the calendar, clock, currency and tax rate again.

ANTES DE EMPEZAR

- Lea todas las instrucciones antes de usar.
- Retire la cinta aislante y presione el botón [RESET] en la parte trasera de la calculadora antes de usarla. (Figura ④)
- Levante la lengüeta en la parte posterior del lado de la cubierta de la impresora (Figura ⑤). A continuación, retire la cinta en la cinta de tinta (Figura ⑥).



ESPAÑOL

GRAN TOTAL

Cuando los cálculos son realizados con el comutador GT colocado en Activado (ON), los totales son acumulados en el registro de gran total. Cada vez que usted presiona [X], el subtotal y el símbolo GT+ son impresos. Cuando usted presiona la tecla [GT], el gran total intermedio es desplegado e impreso con el símbolo GX. Presione [GT] por segunda vez para obtener el gran total seguido por el símbolo G.

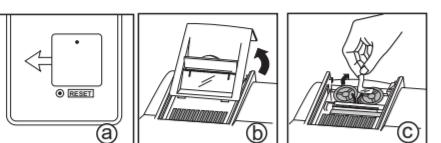
RATE SET

Sitúe el interruptor en "RATE" para fijarlo en el modo de conversión "TAX".

C

BEFORE STARTING

- Read all instructions before use.
- Remove the insulation tape and press the [RESET] button at the back of the calculator before use. (Figure ④).
- Lift the tab on the back-side of the printer cover (Figure ⑤), then remove the tape on the ink ribbon (Figure ⑥).

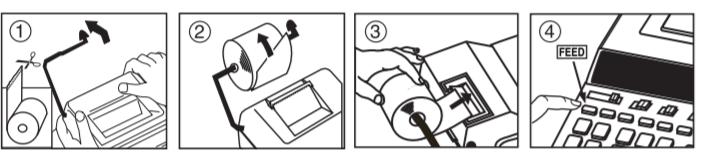


GENERAL MAINTENANCE

- Do not use or leave the calculator under direct sunlight. Areas subject to rapid temperature changes, high humidity, dust and dirt should also be avoided.
- Use a dry cloth to clean the casing of the unit. Do not use water or detergents.
- Only use the printer when the paper roll is loaded.
- Avoid using the calculator in places where there are iron filings, as this may affect the electrical circuits of the calculator.
- Do not place anything on top of the machine, particularly on top of the printer mechanism.
- Turn the calculator off before removing the plug from the electrical outlet.
- In case of electrical fault (i.e. smoke), disconnect the plug from the electrical outlet immediately. The outlet should be installed near the equipment and should be easily accessible.

INSTALLING PRINTING PAPER

- 1) Lift up the paper arm (Figure ①).
• When inserting the paper, cut the edge of the paper as shown.
- 2) Place the new paper roll on the arm. The edge of the paper should be positioned as shown (Figure ②).
• Standard calculator paper – Width: 2-1/4" (57mm) / Diameter: 3-3/8" (86mm)
- 3) Insert the paper into the slit at the back of the machine as indicated. (Figure ③)
- 4) Turn the calculator on. Press the paper feed key [FEED] to advance the paper (Figure ④).



REPLACING THE INK RIBBON

- Note: Turn power switch off.
- 1) Lift the tab on the back-side of the printer cover, and then remove the cover. (Figure ⑤).
 - 2) While pinching the ribbon lock (A) in the direction of the arrow, lift ribbon spools off the shafts. Discard the old ribbon and spools. (Figure ⑥)
 - 3) Separate the spools of new ribbon between the tape and printer head. Guide it around the four positions of the ribbon guide (B) and place the spools on the shafts. (Figure ⑦)
 - 4) When the ribbon spools are settled, release the ribbon locks. If necessary, rotate the spools until the pegs on the bottom of the spool seat themselves in the holes of the spool holder. (Figure ⑧)
 - 5) Rotate either spool to take up any ribbon slack, making sure that the ribbon is positioned around the four ribbon guides. Replace the printer cover. (Figure ⑨)
- IMPORTANT:** Use only the same type of ribbon spools.



POWER ON/OFF / PRINT ON / ITEM COUNT SELECTION SWITCH

- PRINT ITEM**
OFF ON PRINT ITEM
OFF ON PRINT ITEM
OFF ON PRINT ITEM
OFF ON PRINT ITEM
OFF ON PRINT ITEM
- Turns calculator Off.
- Turns calculator On. Entries and results will appear on the display, but will not be printed out.
- Entries and results will appear on the display and will be printed out.
- Set the switch to "ITEM" to print the number of times the [+] , [-] , [M+] and [M-] keys have been pressed (up to 999). The item count will be printed on the left hand side of the paper roll when the [F1] , [F2] , [M+] or [M-] keys are pressed.

MEMORY / CURRENCY CONVERSION SELECTION SWITCH

- MEM CONV**
Set the switch to "MEM" position to perform calculation using memory and basic calculation function. Entries and result will appear on the display and printout.
- CURRENCY CONVERSION CALCULATION**
Set the switch to "CONV" position to perform currency conversion calculation functions. Entries and result will appear on the display and printout.

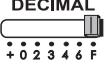
- Set the switch to "CONV" position to perform currency conversion calculation functions. Entries and result will appear on the display and printout.
- Set the switch to [F] and enter the currency conversion rate and press [F1] , [F2] or [F3] to store the current rate.
- Press [F1] , [F2] or [F3] to recall the stored currency conversion rate.
- Press [F4] to convert currency figure displayed from [F1] , [F2] or [F3] to the [F5] .
- Press [F5] to convert displayed figure from [F4] to [F1] , [F2] or [F3] .

- *1 Specifying the Number of Decimal Places for Intermediate US Dollar Amounts. When you convert from one national currency to another, the calculator internally converts the original currency to US dollars. This conversion result is the "intermediate US dollar amount". Next, the intermediate US dollar amount is converted to the target currency. The flow of the steps of the conversions will be shown on the printout. For this type of calculation, you should use the following procedure to specify the number of decimal places for the intermediate US dollar amount. You can specify from 0 (2) to 9 decimal places, for a floating decimal point (F). The intermediate US dollar amount is rounded off to the number of decimal places you specify.
- *2 F is displayed when F (floating point) is set for the number of decimal places. F is the initial default setting.
- *3 For rates of 1 or greater, you can input up to six digits. For rates less than 1 you can input up to 8 digits, including 0 for the integer digit and leading zeros (though only 7 significant digits, counted from the left and starting with the first non-zero digit, can be specified).

DECIMAL POINT SELECTOR SWITCH

- Used for designating the decimal point position (0, 2, 3, 4, 6) for calculated results.
- + (Add-Mode) – Addition and subtraction functions are performed with an automatic 2-digit decimal. It is convenient for currency calculations.

- F (Floating Decimal point) – All effective numbers up to 12 digits are printed or displayed.



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MANTEINIMIENTO GENERAL

- No use o dejar la calculadora expuesta directamente a la luz solar. También debe evitar áreas sujetas a cambios rápidos de temperatura, y áreas de alta humedad y suciedad.
- Para limpiar la caja use un paño seco. No use agua o detergentes.
- Encienda el interruptor únicamente cuando haya cargado papel para impresión.
- Evite usar la calculadora en lugares con limaduras de hierro, debido a que esto puede afectar los circuitos eléctricos de la calculadora.
- No coloque objetos sobre la calculadora, especialmente sobre el mecanismo de impresión.
- Apague el interruptor de energía antes de retirar el enchufe del tomacorriente.
- En caso de falla eléctrica (por ejemplo, humo), desconecte el enchufe de la toma eléctrica inmediatamente. La toma de electricidad debe estar cerca del equipo y ser accesible fácilmente.

INSTALANDO PAPEL DE IMPRESIÓN

- 1) Levantá la cubierta de la impresora (Figura ①).
- 2) Antes de introducir el papel, corte el borde del papel como se muestra.
- 3) Coloque el nuevo rollo de papel en el brazo de la calculadora. El borde del papel deberá ser colocado como se muestra en la Figura (②).
- 4) Introduzca el papel en la ranura posterior de la máquina, como se indica en la Figura (③).
- 5) Encienda la calculadora. Presione la tecla de avance de papel [FEED] para avanzar el papel como se muestra (Figura ④).



SPECIFICATIONS

Model Name : MP11DX-2

Power Source: AC 120V 60Hz

Operation Temperature: 32°F to 104°F (0°C to 40°C)

Calculating Capacity: 12 digits maximum

Dimension: 12-1/64" (L) x 8-3/16" (W) x 3-5/64" (H) / 305mm (L) x 208mm (W) x 78mm (H)

Weight: 50 oz (1,480 g)

(Subject to change without notice)

Clock & calendar function / Función del reloj del calendario

SETTING / AJUSTE:

DECIMAL + 0 2 3 4 5 F	ROUNDING ± 5/4	GT OFF ON RATE SET	PRINT ITEM MEM CONV OFF ON
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- Used to switch between clock or calendar mode.
- Serve para cambiar entre los modos de reloj y calendario.
- Used to switch between 12 or 24 hour at clock mode time setting.
- Serve para cambiar entre 12 o 24 horas en el ajuste horario del modo de reloj.
- Used to set the date and time in calendar & clock mode.
- Serve para fijar la fecha y la hora en los modos de reloj y calendario.
- Used to switch between AM or PM at clock mode time setting.
- Serve para cambiar entre AM o PM en el ajuste horario del modo de reloj.
- Used to select date format between "YYYY/MM/DD", "DD/MM/YYYY" or "MM/DD/YYYY" at calendar mode.
- Serve para seleccionar el formato de fecha entre "AAAA/MM/DD", "DD/MM/AAAA" o "MM/DD/AAAA" en el modo de calendario.

Note: The calendar, clock and currency rate will clear if all power sources and backup battery are disconnected.

Nota: La tasa de calendario, reloj, impuestos y la moneda se borrarán si todas las fuentes de energía y la batería de respaldo están desconectadas.

Date Setting / Ajuste de la Fecha (Example / Ejemplo: January 18 2017)

Operation / Operación	Display / Exponer	Print Out / Imprimir
01-01-2016	01-01-2016	01-01-2016
(Hold 2 second / Sostenga 2 segundo) 0 1 1 8 2 0 1 7	01-01-2016	01-18-2017
CE (Return to calculation mode / Vuelva al modo de cálculo)	0.	0. C

Time Setting / Ajuste de la Hora (Example / Ejemplo: 3:18 pm)

Operation / Operación	Display / Exponer	Print Out / Imprimir
12-00-18 A	12-00 A	01-18-2017
(Hold 2 second / Sostenga 2 segundo) 0 3 1 8 2 0 1 7	12-00 A	12-06 AM
CE (Return to calculation mode / Vuelva al modo de cálculo)	0.	0. C

Calculation examples / Ejemplos de cálculo

SETTING / AJUSTE:

DECIMAL + 0 2 3 4 5 F	ROUNDING ± 5/4	GT OFF ON RATE SET	PRINT ITEM MEM CONV OFF ON
--------------------------	-------------------	-----------------------	----------------------------------

If switches below do not match the example, please set switches as shown.

Si los interruptores siguientes no son mostrados como en la explicación, póngalos como sigue a continuación.

Calculation / Cálculo	Operation / Operación	Print Out / Imprimir
2+(3x4)-5=9	2 + 3 x 4 - 5 =	0. C 2.00 + 3. x 4. = 12.00 * 12.00 + 5.00 - 9.00 *
-2x3=-6	2 x 3 =	2. - x 3 = 6.00 - *
3 ³ =27	3 x	3. x 3. = 9.00 * 9.00 = 27.00 *
1/7=0.14285714285	(DECIMAL) + 0 2 3 4 5 F	7 = 0. C 1.000 + 1.000 = 0.143 *
\$12.55+\$15.75-\$5.30 =\$23.00	(DECIMAL) + 0 2 3 4 5 F	1255 + 1575 + 530 - 23.00 *
8÷3x3.7+9=18.866666666	(DECIMAL) + 0 2 3 4 5 F	8 ÷ 3 x 3.7 = 9.8666666664 9.8666666664 9. + 18.8666666666 *
123x 756 (456)=56,088	(DECIMAL) + 0 2 3 4 5 F	123 x 756 (456) = 56,088.00 *
123x 455 (6)=56,088	(DECIMAL) + 0 2 3 4 5 F	123 x 455 (6) = 56,088.00 *

Data Printout / Impresión de los Datos

Calculation / Cálculo	Operation / Operación	Print Out / Imprimir
Jan. 17 2017	1 17 2017	1,860 1,420 Jan. 18 2017 2,380 + 2,200 7,860
		1,860.00 + 1,420.00 + 2,380.00 + 2,200.00 + 7,860.00 *

Round-up / Redondeo por Exceso

Calculation / Cálculo	Operation / Operación	Print Out / Imprimir
28÷3=9.3333333333	ROUNDING (± 5/4)	28. ÷ 3. = 9.34 *

Round-off / Redondeo

Calculation / Cálculo	Operation / Operación	Print Out / Imprimir
11÷3=3.6666666666	ROUNDING (± 5/4)	11. ÷ 3. = 3.67 *

Round-down / Redondear hacia abajo

Calculation / Cálculo	Operation / Operación	Print Out / Imprimir
11÷3=3.6666666666	ROUNDING (± 5/4)	11. ÷ 3. = 3.66 *

Memory Calculation / Cálculos con Memoria

Calculation / Cálculo	Operation / Operación	Print Out / Imprimir
125+78=203 - 75+103=178	ROUNDING (± 5/4)	0. C 125.00 + 78.00 + 203.00 * 203.00 M+ 75.00 + 103.00 + 178.00 * 178.00 M- 25.00 M◊ 25.00 MX

Grand Total Calculation / Cálculo del Gran total

Calculation / Cálculo	Operation / Operación	Print Out / Imprimir
500+103+32=635 + 500+96+44=640	GT (OFF ON RATE SET)	500.00 + 103.00 + 32.00 + 635.00 G+ 500.00 + 96.00 + 44.00 + 640.00 G+ 1,275.00 G◊ 1,275.00 GK

Percentage Calculation / Cálculos de Porcentaje

Calculation / Cálculo	Operation / Operación	Print Out / Imprimir
2,000+(2,000x12%) =2,240	GT (OFF ON RATE SET)	2,000. x 12. % 240.00 *
2,000-(2,000x15%) =1,700	GT (OFF ON RATE SET)	2,000. x 15. % 300.00 *

Item Count / Cuenta de Artículo

Calculation / Cálculo	Operation / Operación	Print Out / Imprimir
18 1) 14 2) + 23 3) 55 - 20 4) + 10 5) 45	PRINT ITEM (OFF ON)	18.00 + 14.00 + 23.00 + 55.00 ◊ 20.00 - 10.00 + 45.00 *

Tax Calculation / Cálculo de Impuesto

TAX +	TAX -
■ Add Tax Key – Used for adding the tax amount to the displayed figure.	■ Tecla de Sumar Impuesto – Se utiliza esta tecla para sumar el importe del impuesto a la cifra que aparece en la pantalla.
■ Deduct Tax Key – Used for deducting the tax amount from the displayed figure.	■ Tecla de Restar Impuesto – Se utiliza esta tecla para reducir el importe del impuesto de la cifra que aparece en la pantalla.

Calculation / Cálculo	Operation / Operación	Print Out / Imprimir
Tax Rate Set/ Establecer la tasa de impuesto Rate/Velocidad: 5%	PRINT ITEM (OFF ON) GT (OFF ON RATE SET)	5. %
Add Tax Amount/ Ahadir Total de impuestos Price \$2,000 without tax/ Cotice 2,000 dólares sin impuestos	TAX +	2,000.
Tax/Impuesto= ? (\$100) Selling Price with tax/ Precio de venta con impuestos = ? (\$2,100)		5. % 100.00 Δ+ 2,100.00 *
Deduct Tax Amount/ Deducir Total de impuestos Selling Price \$3,150 with tax/ Precio \$ 3,150 con impuestos de venta	TAX -	3,150.
Tax/Impuesto= ? (\$150) Price without Tax/ Precio sin impuestos = ? (\$3,000)		5. % 150.00 Δ- 3,000.00 *
Recall Tax Rate/ Recordar tasa de impuesto	TAX -	5. %

Cost-Sell-Margin Calculation / Cálculo de Costos-Ventas-Margen

COST	SELL	MARGIN
■ Used for calculating the cost, selling price and profit margin amount. Enter the value of any 2 items to obtain the balance value item. (e.g. enter the value of the cost and the selling price to obtain the profit margin %.)	■ Se utiliza para calcular el costo, el precio de venta y el porcentaje del margen. Introduzca el valor de dos de estas tres variables para obtener el resultado del balance correspondiente. (Por ejemplo, introduzca el valor del costo y del precio de venta para obtener el margen de beneficio %).	

Calculation / Cálculo	Operation / Operación	Print Out / Imprimir
Calculating Cost/Calcular el costo Selling Price/Precio de Venta : \$2,000 Profit Margin/Porcentaje del margen : 30% Cost/Costo = ?(\$1,400)	GT (OFF ON RATE SET)	2,000. S ✕ 30. M% 1,400.00 C ✕
Calculating Selling Price/Calcular el precio de venta Cost/Costo : \$1,500 Profit Margin/Porcentaje del margen : 20% Selling Price/Precio de Venta : ?(\$1,875)	1500 COST 20 MARGIN	1,500. C ✕ 20. M% 1,875.00 S ✕
Calculating Profit Margin/Calcular el porcentaje del margen Cost/Costo : \$1,500 Selling Price/Precio de Venta : \$2,000 Profit Margin/Porcentaje del margen = ?(25%)	1500 COST 2000 SELL	1,500. C ✕ 2,00