



# Casio MS-80B Standard Function Desktop Calculator User's Guide

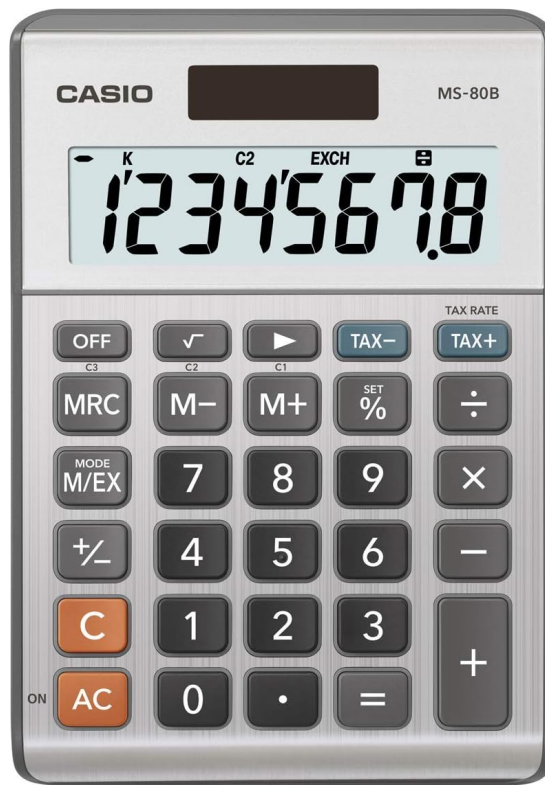
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# CASIO

**Casio MS-80B Standard Function Desktop Calculator**



## Introduction

The Casio MS-80B Standard Function Desktop Calculator is a versatile tool designed for both basic arithmetic and specialized functions like tax calculations and currency conversion. Manufactured by CASIO COMPUTER CO., LTD., this calculator boasts a Two-Way Power System, ensuring operation even in complete darkness. With user-friendly features and a robust build, it's a reliable companion for both office and personal use.

## Important Precautions

- Be sure to keep all user documentation handy for future
- Avoid dropping the calculator and otherwise subject it to severe
- Never try to take the calculator
- Wipe the unit with a soft, dry cloth to clean
- The contents of these instructions are subject to change without
- CASIO COMPUTER CO., LTD. assumes no responsibility for any loss or claims by third parties that may arise from the use of this product.

## Power Supply

Two-Way Power System provides power even in complete darkness.

- Always leave battery replacement up to an authorized
- The battery that comes with this unit discharges slightly during shipment and Because of this, it may require replacement sooner than the normal expected battery life.

## Auto Power Off Function

Auto power off: Approximately 6 minutes after the last key operation

## Tax Calculations

- **To set a tax rate**

- Example: Tax rate = 5%

- **AC** **%** (SET) (Until SET appears.) 

SET
0.

- **TAX** (TAX RATE) 5\* **%** (SET) 

TAX
% 5.

- You can check the currently set rate by pressing **AC** and then **TAX** (TAX RATE).

## Currency Conversion

- **To enter the Currency Conversion Mode**

- Press **M/EX** to toggle between the Conversion Mode and the Memory Mode.
- The “EXCH” indicator on the display indicates the Conversion M
- The calculation examples shown here use an 8-digit model.

- **To set conversion rates**

- Currency 1 (C1) is your home country’s currency, and so it is always set to 1. Currency 2 (C2) and Currency 3 (C3) are for the currencies of two other countries, and you can change these rates as required.

- Example: Conversion rate \$1 (C1 home currency) = 0.95 euro for Currency 2 (C2)

- **AC** **%** SET) (Until SET appears.) **C2** 0.95\* **%** (SET) 

C2 EXCH RATE
0.95

- You can check the currently set rate by pressing **AC** and then **C2**
  - For rates of 1 or greater, you can input up to six digits. For rates less than 1 you can input up to 8, 10 or 12 digits, including 0 for the integer digit and leading zeros (though only six significant digits, counted from the left and starting with the first non-zero digit, can be specified).
  - Examples: 0.123456, 0.0123456
- Due to differences in calculation accuracy, calculation results obtained by some models may be different from those shown in the examples of this manual.

## Specifications

- **Power Supply:**

- Two-Way Power System
  - Solar cell
  - One button type battery LR54 (LR1130)

- **Battery Life:**

- Approximately 3 years (1 hour operation per day)



- **Operating Temperature:**

- 0°C to 40°C (32°F to 104°F)

- **Dimensions (H) × (W) × (D) / Approximate weight (including battery):**

- MS-8B/10B/20B:
  - 28.8×103×147 mm (11/8"×41/16"×513/16")

- 110 g (3.9 oz)
- MS-80B:
  - 28.8×103×147 mm (11/8"×41/16"×513/16")
  - 115 g (4.1 oz)

								
$6 \div 3 \times 5 + 2.4 - 1 = 11.4$ $2 \times (-3) = -6$	<div>AC</div> <div><math>6 \div 3 \times 5 + 2.4 - 1 =</math></div> <div><math>2 \times 3 \div 2 =</math></div>	0. 11.4 -6.						
$1 + 5 = 6$ $3 + 5 = 8$ $7 - 6 = 1$ $2 - 6 = -4$ $2 \times 3 = 6$ $2 \times 4 = 8$ $15 \div 3 = 5$ $21 \div 3 = 7$	<div><math>5 \div 1 =</math></div> <div><math>3 =</math></div> <div><math>6 - 7 =</math></div> <div><math>2 =</math></div> <div><math>2 \times 3 =</math></div> <div><math>4 =</math></div> <div><math>3 \div 15 =</math></div> <div><math>21 =</math></div> <div>K</div> <div>K</div> <div>K</div> <div>K</div> <div>K</div> <div>K</div> <div>K</div> <div>K</div>	6. 8. 1. -4. 6. 8. 5. 7.						
$\sqrt{4} \times 5 = 10$	<div><math>4 \sqrt{\phantom{x}} \times 5 =</math></div>	10.						
$100 \times 5\% = 5$	<div><math>100 \times 5\% =</math></div>	5.						
$100 + (100 \times 5\%) = 105$	<div><math>100 \times 5\% +</math></div>	105.						
$10 - (10 \times 20\%) = 8$	<div><math>10 \times 20\% -</math></div>	8.						
$30 = 60 \times ?\% \quad ? = 50$	<div><math>30 \div 60\% =</math></div>	50.						
$12 = 10 + (10 \times ?\%) \quad ? = 20$	<div><math>12 - 10\% =</math></div>	20.						
<table><tr><td>\$120</td><td>? (\$40)</td></tr><tr><td colspan="2"><div><div>← 100% →</div><div>← 25% →</div></div></td></tr><tr><td colspan="2">? (\$160)</td></tr></table>	\$120	? (\$40)	<div><div>← 100% →</div><div>← 25% →</div></div>		? (\$160)		<div><div><math>120 \div 25\% =</math></div></div>	160. 40.
\$120	? (\$40)							
<div><div>← 100% →</div><div>← 25% →</div></div>								
? (\$160)								
$8 \times 9 = 72$ $-) 5 \times 6 = 30$ $2 \times 3 = 6$ 48	<div>MRC</div> <div>MRC</div> <div>AC</div> <div><math>8 \times 9 =</math></div> <div><math>5 \times 6 =</math></div> <div><math>2 \times 3 =</math></div> <div>48</div> <div>M</div> <div>M</div> <div>M</div> <div>M</div>	72. 30. 6. 48.						
$2 + 3 = 6$ ④ $2 - 7 = -5$ ⊖ (MS-80B) $5 + 7 = 12$	<div><math>2 \div 3 \div 4 =</math></div> <div><math>2 \div 7 =</math></div> <div><math>5 \div 7 =</math></div>	6. -5. 12.						

c	99999999*1+1=	E 1.0000000*3
100000000*2	A	0.

Tax rate = 5%

\$150 → ???

AC	150	TAX+	TAX+	157.5	*4
			TAX	7.5	*5
			TAX+	157.5	*4

\$105 → ???

AC	105	TAX-	TAX-	100.	*6
			TAX	5.	*5
			TAX-	100.	*6

- \*4 Price-plus-tax
- \*5 Tax/Impuesto
- \*6 Price-less-tax

#### Conversion rate

- C1 (\$) = 1, C2 (EUR) = 0.95, C3 (FRF) = 6.1715
  - 100 EUR → \$? (105.26315)

AC	100	C2	C1	C1 EXCH	105.26315
		C2		C2 EXCH	100.

- \$110 → FRF? (678.865)

AC	110	C1	C3	C3 EXCH	678.865
		C1		C1 EXCH	110.

- 100 EUR → FRF? (649.63153)

AC	100	C2	C3	C3 EXCH	649.63153
		C2		C2 EXCH	100.

#### Conversion calculation formulas

<b>C2, C3 → C1</b> <b>A/B</b>	<b>C1 → C2, C3</b> <b>A`B</b>	<b>C2, C3 → C2, C3 (A/X)`Y</b>
• A = Input or displayed value, B = Rate, X = <b>C2</b> or <b>C3</b> rate, Y = <b>C2</b> or <b>C3</b> rate		

**CE** Manufacturer:

- **CASIO COMPUTER CO., LTD.**
  - 6-2, Hon-machi 1-chrome
  - Shibuya-ku, Tokyo 151-8543, Japan
- **Responsible within the European Union:**
  - **CASIO EUROPE GmbH**
    - Casio-Platz 1, 22848 Norderstedt, Germany



## FREQUENTLY ASKED QUESTIONS

What does the Two-Way Power System entail?

This system ensures that the calculator receives power even in complete darkness. It functions using a solar cell and a supplementary battery.

Who should replace the battery in the calculator?

Battery replacement should always be left to an authorized technician or service provider.

How do I perform currency conversions?

To enter the Currency Conversion Mode, press the specified button to toggle between Conversion Mode and Memory Mode. The 'EXCH' indicator on the display signifies the Conversion Mode.

How do I set conversion rates for different currencies?

Currency 1 (C1) is your home currency and is always set to 1. For Currency 2 (C2) and Currency 3 (C3), you can change their rates. For example, to set a conversion rate where \$1 (C1 home currency) equals 0.95 euro for Currency 2 (C2), follow specific key operations provided in the user guide.

How many digits can I input for conversion rates?

For rates of 1 or greater, you can input up to six digits. For rates less than 1, the input can be up to 8, 10, or

12 digits (inclusive of 0 for the integer digit and leading zeros). However, only six significant digits, counted from the first non-zero digit from the left, can be specified.

What do the symbols and notations in currency conversion formulas signify?

Symbols like A, B, X, and Y represent specific values and rates. A stands for the input or displayed value, B for the rate, X and Y for the C2 or C3 rate respectively. The provided formulas in the manual will help in conversion calculations.

Where is the Casio MS-80B calculator manufactured?

The calculator is manufactured by CASIO COMPUTER CO., LTD. in Tokyo, Japan.

Is the calculator content subject to change?

Yes, the content of the instructions can change without prior notice.

What responsibility does CASIO COMPUTER CO., LTD. assume for the product?

CASIO COMPUTER CO., LTD. does not assume responsibility for any loss or claims by third parties that may arise from the use of the calculator.

How do I perform tax calculations on the calculator?

To set a specific tax rate, follow the sequence provided in the manual, such as pressing the (SET) button, then the (TAX RATE) button, entering the desired rate, and finally pressing (SET) again.

How can I check the currently set tax or conversion rate on the calculator?

After setting a tax or conversion rate, you can check it by pressing a specific sequence of keys mentioned in the manual, such as a designated button followed by the (TAX RATE) or similar button.

Are there specific examples of how to set currency conversion rates?

Yes, the manual provides specific key operations and sequences, such as pressing (SET), entering the conversion rate, and pressing (SET) again.

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