Casio MS-80B

Instruction Manual

CASIO MS-80B DESKTOP SOLAR TAX CALCULATOR
Model: MS-80B

Product Overview

The Casio MS-80B is a versatile desktop calculator designed for everyday use, featuring an 8-digit display with 16-digit approximations for enhanced precision. It is equipped with both solar power and a mercury-free battery backup, ensuring reliable operation in various lighting conditions. This calculator includes specialized functions for tax and currency exchange, making it ideal for financial calculations. Additional features such as independent memory, markup percent, and three-digit comma markers contribute to its efficiency and ease of use.

Figure 1: Casio MS-80B Desktop Solar Tax Calculator, showing its display and key layout.

Key Features

- **Tax and Currency Exchange Function:** Simplifies complex financial calculations involving taxes and currency conversions.
- **Large, Easy-to-Read Display:** Ensures clear visibility of numbers and results.
- **Independent Memory:** Allows for storage and recall of numbers for multi-step calculations.
- **3-Digit Comma Markers:** Enhances readability of large numbers by automatically inserting commas.
- **Solar Power with Battery Backup:** Operates efficiently using solar energy and includes a battery for low-light conditions.
- **Markup Percent Function:** Facilitates quick calculation of profit margins.

Setup

1. **Power On:** The calculator is designed for "Two Way Power" (solar and battery). Place the calculator in a well-lit area to utilize solar power. If the display does not appear, press the **ON** button.

2. **Initial Display:** Upon powering on, the display should show "0." or "0". If not, press the **AC** (All Clear) button.

3. **Setting Tax Rate:**
   - Press **SET %**.
   - Enter the desired tax rate (e.g., for 5%, enter 5).

- Press **SET %** again to save the rate. The display will show the set tax rate.

Operating Instructions

Basic Calculations

- **Addition (+):** Enter first number, press **+**, enter second number, press **=**.
- **Subtraction (-):** Enter first number, press **-**, enter second number, press **=**.
- **Multiplication (×):** Enter first number, press **×**, enter second number, press **=**.
- **Division (÷):** Enter first number, press **÷**, enter second number, press **=**.
- **Clear Entry (C):** Clears the last entered number or calculation.
- **All Clear (AC):** Clears all entries and memory, resetting the calculator to zero.

Memory Functions

- **Memory Plus (M+):** Adds the displayed value to the memory.
- **Memory Minus (M-):** Subtracts the displayed value from the memory.
- **Memory Recall/Clear (MRC):** Press once to recall the memory value. Press twice to clear the memory.

Tax and Percentage Functions

- **Tax Plus (TAX+):** Adds the pre-set tax rate to the displayed value.
- **Tax Minus (TAX-):** Subtracts the pre-set tax rate from the displayed value.
- **Percentage (%):** Calculates percentages. For example, to find 15% of 200: enter 200, press **×**, enter 15, press **%**.
- **Markup Percent (SET %):** Used to set the tax rate as described in the Setup section.

Other Functions

- **Change Sign (±):** Changes the sign of the displayed number (positive to negative, or negative to positive).
- **Square Root (√):** Calculates the square root of the displayed number.
- **Mode (M/EX):** This button is typically used for mode selection in more advanced calculators. For the MS-80B, it may relate to memory or exchange functions depending on the specific model variant. Refer to the display indicators for its current function.

Maintenance

- **Cleaning:** Wipe the calculator with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Battery:** The calculator uses a mercury-free battery as a backup for solar power. Under normal use, the battery should last for an extended period. If the display becomes dim or unresponsive in sufficient light, the battery may need replacement. Battery replacement is typically not user-serviceable and should be performed by a qualified technician if necessary.
- **Storage:** Store the calculator in a cool, dry place away from direct sunlight and extreme temperatures.

Troubleshooting

Problem	Possible Cause	Solution

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Display is blank or dim.	Insufficient light for solar power, or low battery.	Move the calculator to a brighter area. If the problem persists, the backup battery may need replacement (contact service).
Incorrect calculation results.	Incorrect input, or memory not cleared.	Press **AC** to clear all values and memory, then re-enter the calculation. Ensure correct tax rate is set if using tax functions.
Calculator does not respond to key presses.	Temporary malfunction.	Press **OFF** and then **ON** again. If unresponsive, try pressing **AC**.

Specifications

Brand	Casio
Model Number	MS-80B
Display Digits	8 (16-digit approximations)
Power Source	Solar Powered with Mercury-Free Battery Backup
Dimensions (L x W x H)	1.1 x 4.1 x 0.1 inches
Item Weight	5.6 ounces
Color	Gray
Calculator Type	Financial / Basic Office

Warranty and Support

This Casio product is covered by a manufacturer's warranty. For specific warranty details, please refer to the warranty card included with your purchase or visit the official Casio website. For technical support, troubleshooting assistance, or service inquiries, please contact Casio customer support through their official channels. Keep your purchase receipt as proof of purchase for warranty claims.
For more information, you may visit the Casio Store on Amazon.