

Casio CSOFX260SLR11

Casio Fx-260 Solar Scientific Calculator User Manual

Model: Fx-260 Solar II (CSOFX260SLR11)

1. INTRODUCTION

This manual provides detailed instructions for the proper use and care of your Casio Fx-260 Solar Scientific Calculator. Designed for students and professionals, this calculator offers a wide range of scientific functions and a clear 12-digit LCD display, powered primarily by solar energy with battery backup.

Please read this manual thoroughly to ensure optimal performance and longevity of your device. Keep this manual for future reference.

2. KEY FEATURES

- **Solar Powered:** Operates primarily on solar energy, with a backup battery for low-light conditions.
- **12-Digit LCD Display:** Provides clear and easy-to-read numerical output.
- **Scientific Functions:** Includes trigonometric, logarithmic, exponential, and fraction calculations.
- **Fraction Calculations:** Supports direct input and calculation with fractions.
- **Memory Functions:** Store and recall values for complex calculations.
- **Durable Design:** Built for everyday use in academic and professional environments.

3. SETUP

3.1 Power Source

The Casio Fx-260 Solar Scientific Calculator is designed to operate using solar power. For optimal performance, ensure the solar panel located at the top of the calculator is exposed to sufficient light. A lithium metal battery is included as a backup power source, automatically engaging in low-light conditions to maintain functionality.

3.2 Initial Use

1. **Power On:** Press the **ON** button to turn on the calculator. If the display does not appear, ensure the solar panel is exposed to light or check the battery.
2. **Clear Display:** Press the **AC** (All Clear) button to clear any previous calculations or entries from the display.

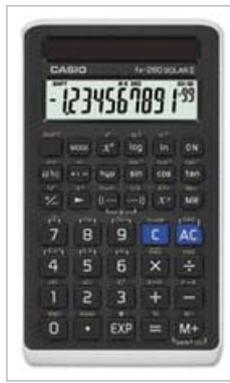


Figure 1: Front view of the Casio Fx-260 Solar Scientific Calculator, showing the 12-digit LCD display, solar panel, and key layout. The ON and AC buttons are visible on the right side of the keypad.

4. OPERATING INSTRUCTIONS

4.1 Basic Arithmetic Operations

Perform standard calculations using the number keys and the $+$, $-$, \times , and \div operators. Press $=$ to display the result.

- **Addition:** $5 + 3 =$ (Result: 8)
- **Subtraction:** $10 - 4 =$ (Result: 6)
- **Multiplication:** $6 \times 7 =$ (Result: 42)
- **Division:** $20 \div 5 =$ (Result: 4)

4.2 Scientific Functions

The calculator provides various scientific functions accessible via dedicated keys or the **SHIFT** key.

- **Trigonometric Functions (sin, cos, tan):** Input the angle value, then press the desired function key. Ensure the correct angle unit (degrees, radians, grads) is set if applicable (this model typically defaults to degrees).
- **Logarithmic Functions (log, ln):** Input the number, then press **log** (base 10) or **ln** (natural logarithm).
- **Powers and Roots:** Use the x^y or \wedge key for powers, and $\sqrt{\quad}$ for square roots. For cube roots or higher, use the **SHIFT** key with the appropriate function.
- **Fractions:** Use the **a b/c** key to input fractions. For example, to input $1/2$, press **1 a b/c 2**. To convert between mixed numbers and improper fractions, use **SHIFT a b/c**.

4.3 Memory Functions

The calculator includes memory functions to store and recall values.

- **M+ (Memory Plus):** Adds the displayed value to the independent memory.
- **M- (Memory Minus):** Subtracts the displayed value from the independent memory.
- **MR (Memory Recall):** Recalls the value stored in the independent memory to the display.
- **MC (Memory Clear):** Clears the independent memory. (Often **SHIFT MR** or **AC** after **MR**).

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the calculator's exterior. For stubborn dirt, slightly dampen the cloth with water. Avoid using harsh chemicals, solvents, or abrasive cleaners.
- **Storage:** Store the calculator in a cool, dry place away from direct sunlight and extreme temperatures. Protect it from dust and moisture.

- **Battery:** The calculator uses a lithium metal battery as a backup. While solar power is the primary source, if the display becomes dim or unresponsive in sufficient light, the backup battery may need replacement. Consult a qualified technician for battery replacement to avoid damaging the device.
- **Avoid Impact:** Do not drop the calculator or subject it to strong impacts, as this can damage internal components or the display.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Display is blank or dim.	Insufficient light for solar panel, or low backup battery.	Move the calculator to a brighter area. If the problem persists, the backup battery may need replacement by a service professional.
Incorrect calculation results.	Incorrect input, incorrect mode setting, or previous calculation error.	Press AC to clear all entries and memory. Re-enter the calculation carefully. Ensure angle units are correct for trigonometric functions.
Keys are unresponsive.	Calculator frozen, or physical damage.	Try pressing AC . If unresponsive, ensure sufficient light. If still unresponsive, contact customer support.

7. SPECIFICATIONS

Model: Fx-260 Solar II (CSOFX260SLR11)

Display: 12-Digit LCD

Power Source: Solar Powered with Lithium Metal Battery backup (1 included)

Dimensions: 7.64 x 5.31 x 0.04 inches (Product Dimensions)

Weight: 1.94 ounces

Calculator Type: Scientific / Engineering

Color: Black

Manufacturer: CASIO

Date First Available: February 21, 2021

8. WARRANTY AND SUPPORT

For information regarding warranty coverage, product support, or service, please refer to the warranty card included with your product or visit the official Casio website. Contact Casio customer service for assistance with any issues not covered in this manual.

Casio Official Website: www.casio.com