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## Casio FX-260

# Casio FX-260 Solar II Scientific Calculator User Manual

Model: FX-260 Solar II

## INTRODUCTION

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This manual provides detailed instructions for the proper use and maintenance of your Casio FX-260 Solar II Scientific Calculator. Please read this manual thoroughly to ensure optimal performance and longevity of your device. The Casio FX-260 Solar II is designed for a wide range of mathematical and scientific calculations, including fractions, trigonometry, and statistics.

### Product Overview



Image: Casio FX-260 Solar II Scientific Calculator. This image displays the calculator's front view, showing its solar panel, display, and key layout, including scientific functions and fraction keys. The packaging indicates it is permitted on various standardized tests like AP, SAT, and ACT.

## 1. SETUP

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### 1.1 Power Source

The Casio FX-260 Solar II calculator is primarily solar-powered. It operates efficiently in well-lit environments. No batteries are required for normal operation under sufficient light.

### 1.2 Initial Power On

To turn on the calculator, ensure it is exposed to adequate light and press the **ON** button. The display should show "0". If the display remains blank, ensure sufficient light is available.

### 1.3 Display Adjustment

The display contrast is fixed. Ensure the calculator is viewed at a comfortable angle under appropriate lighting conditions for optimal readability.

## 2. OPERATING INSTRUCTIONS

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This section details the basic and advanced operations of your calculator.

### 2.1 Basic Arithmetic Operations

Enter numbers using the numeric keypad. Use the **+**, **-**, **X** (multiplication), and **÷** (division) keys for basic calculations. Press **=** to display the result.

- **Example:** To calculate  $5 + 3$ , press **5 + 3 =**. The result will be 8.

### 2.2 Scientific Functions

Many keys have secondary functions, accessed by pressing the **SHIFT** key first, then the desired function key. Secondary functions are typically printed above the keys.

- **Trigonometric Functions:** Use **sin**, **cos**, **tan** for sine, cosine, and tangent. Use **SHIFT** then **sin<sup>-1</sup>**, **cos<sup>-1</sup>**, **tan<sup>-1</sup>** for inverse trigonometric functions.
- **Logarithmic Functions:** Use **log** for common logarithm (base 10) and **ln** for natural logarithm (base e). Use **SHIFT** then **10<sup>x</sup>** or **e<sup>x</sup>** for their inverse functions.
- **Power and Root Functions:** Use **x<sup>2</sup>** for squaring, **SHIFT** then **√** for square root. Use **x<sup>3</sup>** for cubing, **SHIFT** then **<sup>3</sup>√** for cube root. Use **x<sup>y</sup>** for arbitrary powers.

### 2.3 Fraction Calculations

The calculator supports fraction input and calculations.

- **Entering Fractions:** Use the **a b/c** key. For example, to enter  $1/2$ , press **1 a b/c 2**. To enter a mixed number like  $1 \frac{2}{3}$ , press **1 a b/c 2 a b/c 3**.
- **Converting Fractions to Decimals:** After a fraction result, press **d/c** to convert to decimal. Press again to convert back.

### 2.4 Memory Functions

The calculator includes memory functions to store and recall values.

- **Store to Memory:** To store a displayed value, press **SHIFT** then **X→M**.
- **Recall from Memory:** To recall the stored value, press **MR**.
- **Memory Plus/Minus:** Use **M+** to add the displayed value to memory, and **M-** to subtract it.
- **Clear Memory:** Press **SHIFT** then **SAC** (Clear All Memory).

### 2.5 Angle Units (DEG/RAD/GRAD)

The calculator can operate in Degree (DEG), Radian (RAD), or Gradian (GRAD) modes for trigonometric calculations.

- **Changing Mode:** Press the **MODE** key repeatedly to cycle through DEG, RAD, and GRAD. The current mode is indicated on the display.

### 2.6 Clearing Entries and All Clear

- **Clear Entry (C):** Press **C** to clear the last entered number or operation.
- **All Clear (AC):** Press **AC** to clear all entries, operations, and reset the calculator to its initial state (except memory).

## 3. MAINTENANCE

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### 3.1 Cleaning

To clean the calculator, wipe it with a soft, dry cloth. Do not use abrasive cleaners, solvents, or wet cloths, as these can damage the casing or internal components.

### 3.2 Storage

Store the calculator in a cool, dry place away from direct sunlight and extreme temperatures. Avoid placing heavy objects on top of the calculator.

### 3.3 Solar Panel Care

Ensure the solar panel is kept clean and unobstructed to maintain optimal power generation. Avoid covering the solar panel during use.

## 4. TROUBLESHOOTING

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- **Display is blank or dim:**

Ensure the calculator is exposed to sufficient light. The FX-260 Solar II is solar-powered and requires adequate illumination to function. Move the calculator to a brighter area.

- **Incorrect calculation results:**

Check the current angle unit mode (DEG, RAD, GRAD) if performing trigonometric calculations. Press **MODE** to cycle through modes. Ensure all previous operations are cleared by pressing **AC** before starting a new calculation. Verify correct input of numbers and operations.

- **Calculator freezes or becomes unresponsive:**

In rare cases, strong static electricity or other abnormal conditions may cause the calculator to malfunction. Press the **AC** button to reset the calculator. If the issue persists, move the calculator to a different environment.

## 5. SPECIFICATIONS

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Feature	Detail
Model Name	FX-260 Solar II
Power Source	Solar Powered
Calculator Type	Engineering/Scientific
Brand	Casio
Product Dimensions	5.31 x 3.27 x 0.04 inches
Item Weight	2.4 ounces
Permitted On Exams	AP, SAT, SAT Subject, PSAT/NMSQT, ACT

## 6. WARRANTY AND SUPPORT

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For information regarding warranty coverage and customer support, please refer to the warranty card included with your product or visit the official Casio website. Keep your purchase receipt as proof of purchase.

**Casio Official Website:** [www.casio.com](http://www.casio.com)