Casio FX-991CEX

Casio FX-991CEX CLASSWIZ Scientific Calculator User Manual

Model: FX-991CEX

INTRODUCTION

This manual provides detailed instructions for the proper use and maintenance of your Casio FX-991CEX CLASSWIZ scientific calculator. Please read this manual thoroughly before using the calculator to ensure optimal performance and longevity.

A front view of the Casio FX-991CEX CLASSWIZ scientific calculator, displaying its screen, solar panel, and full keypad with various function buttons.

1. SETUP

1.1 Powering On

The Casio FX-991CEX CLASSWIZ calculator is primarily powered by a solar cell, with a button battery (LR44) providing backup power for memory retention and operation in low light conditions. Ensure sufficient light is available for the solar cell to operate. Press the **ON** button to turn on the calculator.

1.2 Initial Settings

Upon first use or after a reset, you may need to configure initial settings. Press **[SHIFT]** then **[MENU SETUP]** to access the setup menu. Use the arrow keys to navigate and select options such as input/output format, angle unit, and display format.

- **Input/Output:** Select MathI/MathO for natural display or LineI/LineO for linear display.
- **Angle Unit:** Choose between Degree, Radian, or Gradian.

- **Display Format:** Configure number of decimal places or significant figures.

2. Operating Instructions

2.1 Basic Calculations

Enter numbers and operations using the keypad. Press**[=]** to obtain the result. For example, to calculate 5 + 3, press**[5] [+] [3] [=]**.

2.2 Function Modes

The calculator offers various modes for different types of calculations. Press**[MENU]** to access the mode selection screen. Common modes include:

1. **Calculate (COMP):** For general arithmetic and function calculations.
2. **Complex:** For complex number calculations.
3. **Base-N:** For binary, octal, decimal, and hexadecimal calculations.
4. **Matrix:** For matrix calculations.
5. **Vector:** For vector calculations.
6. **Statistics (STAT):** For statistical calculations.
7. **Table:** To generate a number table for a function.
8. **Equation/Func:** For solving equations and inequalities.

2.3 Using Secondary Functions

Many keys have secondary functions printed above them. To access these, press the**[SHIFT]** key (yellow) followed by the desired function key. For alpha characters and variables, press the **[ALPHA]** key (red) followed by the corresponding key.

2.4 Memory Functions

The calculator includes independent memory (M) and variable memories (A, B, C, D, E, F, X, Y). To store a value, enter the value, press **[STO]**, then press the desired memory key. To recall a value, press**[RCL]**, then the desired memory key.

3. Maintenance

3.1 Cleaning

Wipe the calculator gently with a soft, dry cloth. Do not use abrasive cleaners, solvents, or wet cloths, as these can damage the surface or internal components.

3.2 Storage

Store the calculator in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity. Keep it away from strong magnetic fields.

3.3 Solar Panel Care

Ensure the solar panel is not obstructed during use to maintain optimal power supply. Keep the solar panel clean and free from dust or debris.

4. Troubleshooting

4.1 "Math ERROR" Displayed

This error indicates an invalid mathematical operation (e.g., division by zero, square root of a negative number). Review

your input and correct any errors.

4.2 Display is Blank or Dim

- Ensure the calculator is in a well-lit area for the solar panel.
- If the issue persists, the internal button battery may be low. Contact Casio support for battery replacement information.

4.3 Calculator Not Responding

If the calculator becomes unresponsive, try performing a reset. Locate the**RESET** button (usually a small hole on the back or side) and gently press it with a thin, pointed object (like a straightened paper clip). Note that this will clear all memory and settings.
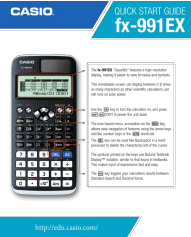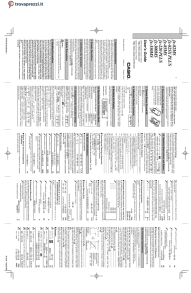
5. SPECIFICATIONS

Model Name	FX-991CEX
Brand	Casio
Dimensions (L x W x H)	25.4 x 5.1 x 6.9 cm (approx.)
Weight	240 g (approx.)
Power Source	Solar power with button battery backup
Display	High-resolution LCD, 12-digit display
Key Features	Natural Textbook Display, 552 functions, QR Code generation, Spreadsheet, Equation Solver, Matrix/Vector calculations.

6. WARRANTY AND SUPPORT

Your Casio FX-991CEX CLASSWIZ calculator comes with a standard manufacturer's warranty. For specific warranty terms, service, or technical support, please refer to the official Casio website or contact your local Casio distributor. Official Casio Support: www.casio.com/support

Related Documents - FX-991CEX

	[CASIO fx-991EX Quick Start Guide](#) A quick start guide for the CASIO fx-991EX scientific calculator, detailing its high-resolution display, basic operations, and the functions available through its icon-based menu.
	[Casio fx-82TL, fx-83WA, fx-85W, fx-85WA, fx-270W PLUS, fx-300W, fx-350TL, fx-911W User's Guide](#) Comprehensive user's guide for Casio fx-82TL, fx-83WA, fx-85W, fx-85WA, fx-270W PLUS, fx-300W, fx-350TL, and fx-911W calculators, covering features, operations, safety, and specifications.
	[Casio fx-83/85GT CW ClassWiz Scientific Calculator Interactive Manual](#) A comprehensive interactive user manual for the Casio fx-83GT CW and fx-85GT CW ClassWiz scientific calculators, detailing features, operations, and navigation for educational and everyday use.
	[Casio fx-991CW ClassWiz Interactive Manual: A Comprehensive Guide](#) Explore the features and functionalities of the Casio fx-991CW Scientific Calculator with this interactive manual. Learn how to perform calculations, use special functions, and navigate the device effectively.
	[Casio fx-82MS Series User's Guide](#) Comprehensive user's guide for Casio fx-82MS, fx-82SX PLUS, fx-85MS, fx-220 PLUS, fx-300MS, and fx-350MS calculators, covering basic and advanced functions, statistical calculations, error handling, and specifications.
	[The Enjoyable Path to Math: CASIO Scientific Calculator Problem Solver](#) Learn to solve a wide range of middle and high school math problems using CASIO Scientific Calculators. This supplementary reader provides step-by-step guidance for models like fx-991MS, fx-570MS, fx-115MS, fx-100MS, fx-95MS, fx-82MS, fx-350MS, and fx-85MS, making complex calculations accessible and math more enjoyable.