

Casio FX-991CW

Casio FX-991CW Classwiz Scientific Calculator User Manual

MODEL: FX-991CW

Introduction

This manual provides detailed instructions for the proper use and maintenance of your Casio FX-991CW Classwiz Non-Programmable Scientific Calculator. Designed for students and professionals, this calculator offers a wide range of functions for various mathematical and scientific computations. Please read this manual thoroughly to ensure optimal performance and longevity of your device.

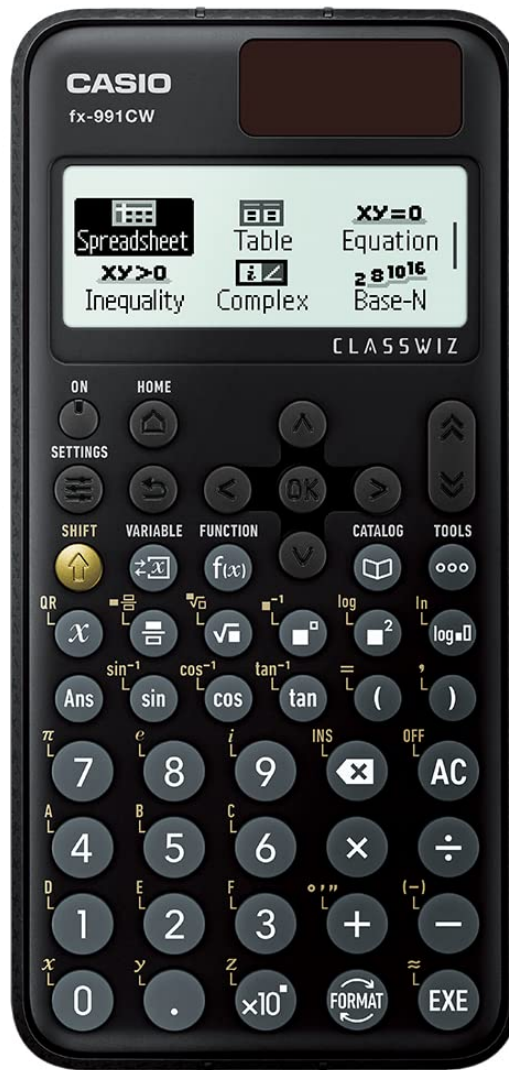


Image: Front view of the Casio FX-991CW Classwiz Scientific Calculator, displaying its screen and key layout.

Setup

1. **Power Source:** The Casio FX-991CW is solar-powered with a battery backup. Ensure adequate light exposure for solar charging. The internal battery provides power in low-light conditions.
2. **Initial Power On:** Press the **[ON]** button to turn on the calculator.
3. **Adjusting Display Contrast:** If the display is unclear, navigate to the **[SETTINGS]** menu, then select 'Contrast' to adjust for better visibility.
4. **Protective Cover:** The calculator comes with a protective hard case. Slide it off before use and slide it back on for protection during storage or transport.



Image: The Casio FX-991CW calculator shown alongside its black protective slide-on cover.

Operating Instructions

The Casio FX-991CW features a Natural Textbook Display and an intuitive interface. Below are key operational aspects:

Basic Operations

- **Key Layout:** Keys are logically arranged for efficient input. Refer to the key labels for primary and secondary functions (accessed via **[SHIFT]** or **[ALPHA]**).
- **Cursor Operation:** Use the directional pad to navigate menus and edit expressions. The **[OK]** button confirms selections.
- **Natural Textbook Display:** Input and view mathematical expressions as they appear in textbooks, including fractions, roots, and powers.



Image: Close-up of the calculator's directional pad for simple cursor operation.



Image: Detail of the calculator keys, highlighting their clear and easy-to-understand labels.



Image: Overview of the calculator's key layout, designed for efficient and ergonomic use.

Advanced Functions

- **Scientific Calculations:** Perform trigonometric, logarithmic, exponential, and power functions.
- **Matrix Calculations:** Supports operations like addition, subtraction, multiplication, determinants, and inverses for matrices up to 4x4.
- **Vector Calculations:** Execute vector operations.
- **Equation Solver:** Solve linear, quadratic, cubic, and systems of equations.
- **Numerical Integration & Differentiation:** Calculate definite integrals and derivatives.
- **Statistics:** Perform statistical calculations including mean, standard deviation, and regression analysis.
- **Probability:** Compute combinations, permutations, and probability distributions.
- **Complex Numbers:** Handle calculations involving complex numbers.
- **Base-N Conversions:** Convert between binary, octal, decimal, and hexadecimal number systems.
- **QR Code Function:** Generate QR codes on the calculator screen to visualize graphs of equations on a smart device.

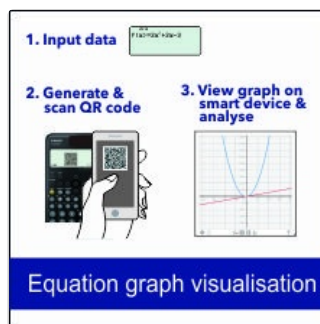


Image: Illustration of the QR code function, showing how to input data, generate a QR code, and view the graph on a smart device.

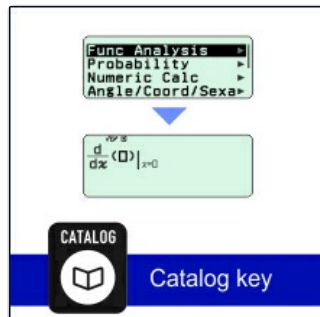


Image: The 'CATALOG' key, which provides access to a comprehensive list of functions like Function Analysis, Probability, and Numeric Calculations.

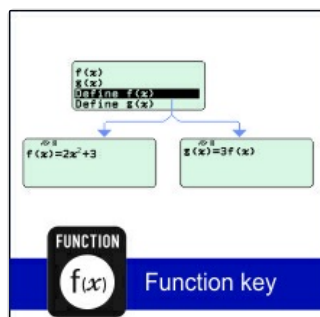


Image: The 'FUNCTION' key, used for defining and working with functions like $f(x)$ and $g(x)$.

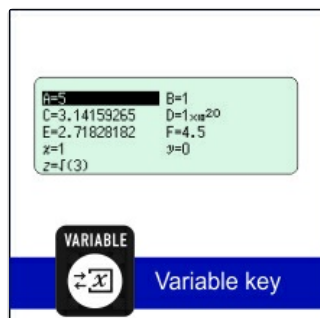


Image: The 'VARIABLE' key, allowing users to store and recall numerical values for variables A, B, C, D, E, F, x, y, and z.

Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the calculator. Avoid abrasive cleaners or solvents.
- **Storage:** Store the calculator in a cool, dry place, away from direct sunlight and extreme temperatures. Always use the protective cover when not in use.
- **Battery:** The calculator uses a solar panel for primary power and has an internal button cell battery for backup. The battery is not user-replaceable. If the display becomes dim even in bright light, contact Casio service for assistance.

Troubleshooting

- **Display is blank or dim:** Ensure the calculator is exposed to sufficient light for solar charging. If the issue persists, the internal battery may need service.
- **Incorrect results:** Check your input carefully. Ensure the correct mode (e.g., DEG/RAD) is selected. Try resetting the calculator by pressing the **[RESET]** button (usually a small button on the back, requiring a thin object like a paperclip). Note that resetting will clear all memory.
- **Calculator freezes:** Press the **[ON]** button to turn it off, then on again. If it remains frozen, perform a reset.

Specifications

Feature	Detail
Model Number	C83
Brand	Casio
Colour	Black
Material	Plastic
Calculator Type	Engineering/Scientific
Power Source	Solar Powered
Screen Size	6 Centimetres
Item Weight	90 g
Item Dimensions (LxWxH)	16.6 x 7.7 x 0.3 Centimeters
Country of Origin	Thailand



Image: Diagram illustrating the dimensions of the Casio FX-991CW calculator: 16.2 cm length and 7.7 cm width.

Warranty and Support

Your Casio FX-991CW Classwiz Scientific Calculator comes with a**3-year warranty**. For detailed warranty terms, product support, or to access the full user manual and educational resources, please visit the official Casio Education website:


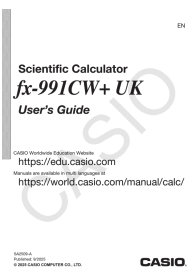
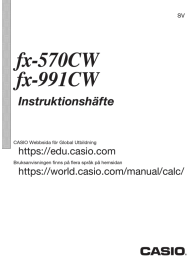
[Casio Education Website](#)

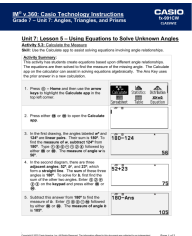
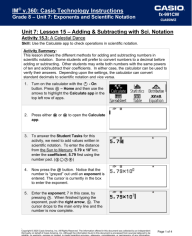
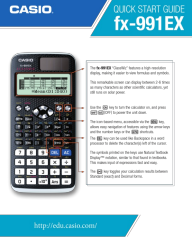


Image: Banner indicating a 3-year warranty and a QR code for accessing additional product information and support.

© 2025 Casio Computer Co., Ltd. All rights reserved.

Related Documents - FX-991CW

	<p>Casio fx-991CW ClassWiz Interactive Manual: A Comprehensive Guide</p> <p>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.</p>
	<p>CASIO fx-991CW+ UK Scientific Calculator User's Guide</p> <p>Comprehensive user's guide for the CASIO fx-991CW+ UK Scientific Calculator. Covers setup, operations, advanced functions, statistical calculations, equation solving, QR code features, and safety precautions. Includes links to CASIO education resources.</p>
	<p>CASIO fx-570CW / fx-991CW Instruktionshäfte: Komplette Guide</p> <p>En komplett guide till CASIO fx-570CW och fx-991CW vetenskapliga räknare, som täcker funktioner, inställningar, avancerade beräkningar, teknisk information och säkerhetsföreskrifter.</p>

 <p>IM® v.360, Casio Technology Instructions Grade 7, Unit 7: Angles, Triangles, and Prisms</p> <p>Unit 7, Lesson 5: Solving Equations by Using Substitution Activity 5.3: Solving Equations by Using Substitution</p> <p>Activity Overview Students will use the Casio fx-991CW Classwiz calculator to solve angle problems in Grade 7 Math, Unit 7: Angles, Triangles, and Prisms. This guide provides step-by-step instructions for Activity 5.3.</p> <p>Step 1: Solve for x in the Equation 1. Press ON OFF CE to turn the calculator on. 2. Enter the equation $10x - 124 = 36$ into the display. 3. Press $=$ to solve for x. The display shows $x = 14$.</p> <p>Step 2: Solve for y in the Equation 1. Press ON OFF CE to turn the calculator on. 2. Enter the equation $2y + 23 = 79$ into the display. 3. Press $=$ to solve for y. The display shows $y = 28$.</p> <p>Step 3: Substitute the values of x and y into the equation 1. Press ON OFF CE to turn the calculator on. 2. Enter the equation $10(14) - 124 = 36$ into the display. 3. Press $=$ to solve for the equation. The display shows 100.</p>	<p>Casio fx-991CW Classwiz: Grade 7 Math - Solving Angles with Equations</p> <p>Learn how to use the Casio fx-991CW Classwiz calculator to solve angle problems in Grade 7 Math, Unit 7: Angles, Triangles, and Prisms. This guide provides step-by-step instructions for Activity 5.3.</p>
 <p>IM® v.360, Casio Technology Instructions Grade 8, Unit 1: Exponents and Scientific Notation</p> <p>Unit 1, Lesson 15: Adding & Subtracting with Scientific Notation Activity 15.3: Adding & Subtracting with Scientific Notation</p> <p>Activity Overview Students will use the Casio fx-991CW calculator to perform addition and subtraction operations with scientific notation, as part of the IM® v.360 curriculum.</p> <p>Step 1: Add the numbers 1. Press ON OFF CE to turn the calculator on. 2. Enter the equation $3.2 \times 10^4 + 5.7 \times 10^4$ into the display. 3. Press $=$ to solve for the equation. The display shows 8.9×10^4.</p> <p>Step 2: Subtract the numbers 1. Press ON OFF CE to turn the calculator on. 2. Enter the equation $8.9 \times 10^4 - 3.2 \times 10^4$ into the display. 3. Press $=$ to solve for the equation. The display shows 5.7×10^4.</p>	<p>Casio fx-991CW Calculator: Adding & Subtracting Scientific Notation (Grade 8 Math)</p> <p>Step-by-step guide for Grade 8 students on how to use the Casio fx-991CW calculator to perform addition and subtraction operations with scientific notation, as part of the IM® v.360 curriculum.</p>
 <p>CASIO QUICK START GUIDE fx-991EX</p> <p>The Casio fx-991EX scientific calculator features a high-resolution display, basic operations, and the functions available through its icon-based menu.</p> <p>http://edu.casio.com/</p>	<p>CASIO fx-991EX Quick Start Guide</p> <p>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.</p>