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## PRITECH CC-0109

# Pritech CC-0109 Scientific Calculator User Manual

*Model: CC-0109*

## INTRODUCTION

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The Pritech CC-0109 Scientific Calculator is a versatile tool designed for a wide range of mathematical and scientific applications. This calculator features 240 functions, a clear two-line display, and a compact design, making it suitable for students and professionals alike. It operates on solar power with a battery backup, ensuring reliable performance. The calculator comes with a rigid case for protection and is lightweight, making it easy to carry.



Figure 1: Pritech CC-0109 Scientific Calculator in a typical study environment.

## SETUP

### Battery Installation

The Pritech CC-0109 calculator requires 1 AA battery (included) for backup power. While the calculator primarily uses solar energy, the AA battery ensures operation in low-light conditions. To install or replace the battery:

1. Locate the battery compartment cover on the back of the calculator.
2. Slide the cover off.
3. Insert the AA battery, ensuring correct polarity (+/-).
4. Replace the battery compartment cover.

# Batteries included

More than 4 years of autonomy!



Figure 2: Battery compartment for AA battery installation.

## Initial Power On

Press the **ON** button to turn on the calculator. The display should light up. If the display does not appear, ensure the battery is correctly installed and there is sufficient light for solar operation.

## OPERATING INSTRUCTIONS

The Pritech CC-0109 offers 240 functions for various calculations. Familiarize yourself with the key layout and display features for efficient use.

# Compact design

Compact design with closing cap and manual included



Figure 3: Keypad and display of the Pritech CC-0109 Scientific Calculator.

## Display Features

- **Two-Line Display:** The top line is a 12-character dot matrix for input and expressions, while the bottom line is a 10 + 2 character LCD for results.
- **Clear Layout:** Features such as a thousands separator symbol and exponential indication ( $\times 10$  symbol) enhance readability.

## Key Functions

- **Cursor Button:** Use the large cursor button to navigate, recall, and edit calculations.
- **Trigonometric Functions:** Perform calculations involving sine, cosine, tangent, and their inverses.
- **Hyperbolic Functions:** Access hyperbolic and inverse hyperbolic functions.
- **Statistical Calculations:** Utilize the convenient menu system for statistical calculations, including mean, estimated values, sums, permutations, combinations, and 6 types of regression.
- **Fractions:** Automatic fraction calculation system.
- **Percentages:** Dedicated percentage calculation function.

- **Parentheses:** Supports up to 24 levels of parentheses for complex expressions.
- **Coordinate Conversion:** Convert between polar and rectangular coordinates.
- **Angle Units:** Perform calculations in centesimal, sexagesimal, and arc measure degrees. Transform between sexagesimal and decimal.
- **Random Number Generator:** Generate random numbers for various applications.
- **Memory Functions:** Includes 1 mean memory and 8 constant memories.
- **SCI/FIX/ENG Function:** For scientific, fixed decimal, and engineering notation.

## Power On/Off

- To turn on: Press **ON**.
- To turn off: Press **SHIFT** then **AC** (OFF).

## MAINTENANCE

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### Battery Replacement

Although the calculator uses solar power, the AA battery provides backup. Replace the battery when the display becomes dim or erratic, especially in low-light conditions. Refer to the "Battery Installation" section under Setup for detailed steps.

### Cleaning

To clean the calculator, wipe it gently with a soft, dry cloth. Do not use abrasive cleaners, solvents, or spray directly onto the calculator, as this may damage the display or keys.

### Storage

Store the calculator in its rigid case when not in use to protect it from dust, scratches, and impacts. Avoid exposing the calculator to extreme temperatures or humidity.

## TROUBLESHOOTING

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- **Display is blank or dim:**
  - Ensure the calculator is in a well-lit area for solar power.
  - Check if the AA backup battery needs replacement.
- **Incorrect calculations:**
  - Verify the input values and the sequence of operations.
  - Check the current mode (e.g., DEG, RAD, GRAD) and adjust if necessary.
  - Consider resetting the calculator if persistent errors occur.
- **Calculator is unresponsive:**
  - Press the **ON** button.
  - If unresponsive, try pressing the **RESET** button (usually a small button on the back, requiring a thin object like a paperclip). Note that resetting may clear memory contents.

## SPECIFICATIONS

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<b>Model Number</b>	CC-0109
<b>Brand</b>	PRITECH

<b>Number of Functions</b>	240
<b>Display Type</b>	Two-line (12-character dot matrix, 10+2 character LCD)
<b>Power Source</b>	Solar with 1 AA battery backup (included)
<b>Dimensions (L x W)</b>	15.6 cm x 8.5 cm
<b>Weight</b>	125 g
<b>Material</b>	Plastic
<b>Included Accessories</b>	Rigid case

## **WARRANTY AND SUPPORT**

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For warranty information and customer support, please refer to the documentation included with your product packaging or contact Pritech customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.