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› Texas Instruments TI-108 Beginner's Calculator User Manual

Texas Instruments TI-108

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MODEL: TI-108

Brand: Texas Instruments

INTRODUCTION

This manual provides comprehensive instructions for the Texas Instruments TI-108 Beginner's Calculator. It covers setup, basic operations, maintenance, and troubleshooting to ensure optimal use of your device. The TI-108 is designed for ease of use, featuring a clear display and color-coded keys for basic arithmetic functions.

PRODUCT OVERVIEW

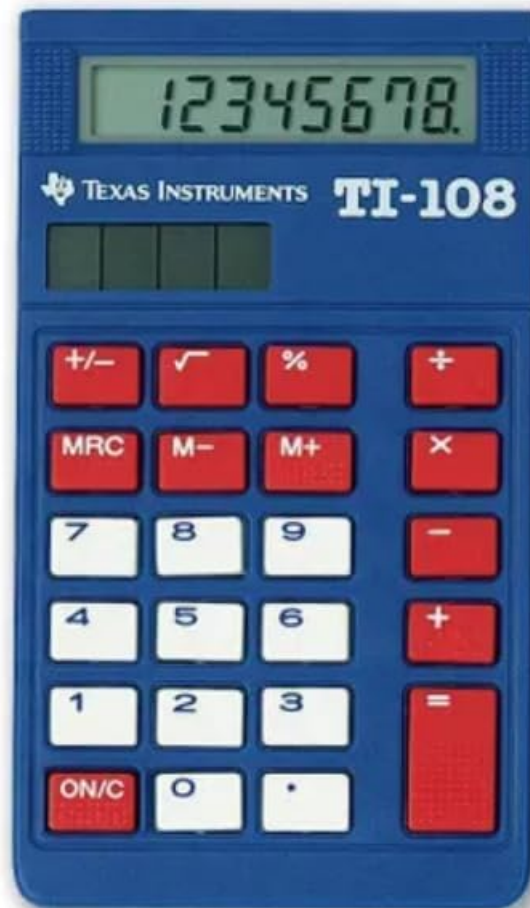


Figure 1: Texas Instruments TI-108 Beginner's Calculator. This image displays the calculator's blue casing, the LCD screen showing "12345678.", and the arrangement of its red and white color-coded keys for various functions.

The TI-108 calculator features a durable design suitable for educational environments. It operates using both solar power and a battery, ensuring reliable performance. Key features include a bright, 8-digit LCD display and clearly labeled, hard plastic keys for basic arithmetic, percentage, square root, and sign change functions.

SETUP

Power Source

The TI-108 calculator utilizes a dual power system: solar and battery. Under sufficient lighting, the calculator will operate using its solar cell. In low-light conditions, it automatically switches to battery power.

Initial Use

1. Ensure the calculator is exposed to adequate light for solar operation, or that a functional battery is installed.
2. Press the **ON/C** key to turn on the calculator. The display should show "0".

OPERATING INSTRUCTIONS

This section details the functions of the keys and how to perform basic calculations.

Key Functions

- **ON/C**: Turns the calculator on and clears all entries and memory.

- **0-9**: Numeric input keys.
- **.**: Decimal point key.
- **+**: Addition.
- **-**: Subtraction.
- **x**: Multiplication.
- **/**: Division.
- **=**: Calculates the result of an operation.
- **+/-**: Changes the sign of the displayed number (positive to negative, or negative to positive).
- **%**: Percentage function. For example, to calculate 10% of 50, enter 50 x 10 %.
- **√** (Square Root): Calculates the square root of the displayed number.
- **M+**: Adds the displayed number to the memory.
- **M-**: Subtracts the displayed number from the memory.
- **MRC**: Recalls the memory content. Pressing it a second time clears the memory.

Example Calculations

1. **Addition**: To calculate $15 + 7$:

- Press **1 5**
- Press **+**
- Press **7**
- Press **=** (Result: 22)

2. **Subtraction**: To calculate $25 - 12$:

- Press **2 5**
- Press **-**
- Press **1 2**
- Press **=** (Result: 13)

3. **Multiplication**: To calculate 8×6 :

- Press **8**
- Press **x**
- Press **6**
- Press **=** (Result: 48)

4. **Division**: To calculate $100 / 4$:

- Press **1 0 0**
- Press **/**
- Press **4**
- Press **=** (Result: 25)

5. **Square Root**: To calculate $\sqrt{81}$:

- Press **8 1**
- Press **√** (Result: 9)

6. **Percentage**: To calculate 20% of 150:

- Press **1 5 0**
- Press **x**
- Press **2 0**
- Press **%** (Result: 30)

7. **Memory Function (M+):** To add 10 and 5 to memory, then recall:

- Press **1 0 M+**
- Press **5 M+**
- Press **MRC** (Result: 15)
- Press **MRC** again to clear memory.

MAINTENANCE

Cleaning

To clean the calculator, use a soft, dry cloth. Do not use abrasive cleaners, solvents, or spray directly onto the calculator. Avoid excessive moisture.

Storage

Store the calculator in a cool, dry place away from direct sunlight and extreme temperatures. If storing for an extended period, ensure it is in a protective case to prevent damage to the keys or screen.

Battery Replacement

The TI-108 uses a small button-cell battery as a backup power source. When the display becomes dim or erratic in low light, it may be time to replace the battery. Refer to the battery compartment on the back of the calculator for specific battery type and replacement instructions. Ensure proper polarity when installing a new battery.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Calculator does not turn on.	Insufficient light for solar cell, or depleted battery.	Move to a brighter area or replace the battery.
Display is dim or blank.	Low battery power or insufficient light.	Ensure adequate lighting or replace the battery.
Incorrect calculation results.	Incorrect key sequence or previous calculation not cleared.	Press ON/C to clear all entries and memory, then re-enter the calculation carefully.
"Error" message on display.	Attempted division by zero or other invalid operation.	Press ON/C to clear the error and restart the calculation.

SPECIFICATIONS

- **Model Name:** TI-108
- **Brand:** Texas Instruments
- **Calculator Type:** Standard Function
- **Power Source:** Dual (Solar and Battery Powered)
- **Display:** 8-digit LCD
- **Item Weight:** 1.58 ounces
- **Package Dimensions:** 4.5 x 2.5 x 0.25 inches
- **Manufacturer:** Texas Instruments, Inc.
- **Date First Available:** March 26, 2010

WARRANTY AND SUPPORT

Texas Instruments products are manufactured to high-quality standards. For information regarding product warranty, please refer to the documentation included with your purchase or visit the official Texas Instruments website. For technical support or further assistance, please contact Texas Instruments customer service.

You can typically find support contact information on the manufacturer's official website: education.ti.com

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question