

Texas Instruments TI-503SV

Texas Instruments TI-503SV Pocket Calculator User Manual

Model: TI-503SV

INTRODUCTION

The Texas Instruments TI-503SV is a compact, 8-digit pocket calculator designed for basic arithmetic operations. Its SuperView display ensures clear readability, and well-spaced rubber keys provide comfortable input. This manual provides instructions for setting up, operating, maintaining, and troubleshooting your TI-503SV calculator.

Key Features:

- 8-digit SuperView LCD display for enhanced visibility.
- Well-spaced rubber keys for comfortable and accurate data entry.
- Automatic power-down feature to conserve battery life.
- Change sign (+/-) key for easy entry of negative numbers.
- Last answer function for recalling previous results.

PRODUCT OVERVIEW



Figure 1: Front view of the Texas Instruments TI-503SV Pocket Calculator, showing the 8-digit LCD display and key layout.

The calculator features a clear LCD display at the top, followed by the power and clear keys. Below these are the function keys, number pad, and operation keys. The compact design makes it suitable for portability.

SETUP

Battery Installation

The TI-503SV calculator requires one Lithium Ion battery for operation. The battery compartment is typically located on the back of the unit.

1. Locate the battery compartment cover on the back of the calculator.
2. Using a small screwdriver or coin, gently open the battery compartment cover.
3. Insert one Lithium Ion battery, ensuring the positive (+) and negative (-) terminals are correctly aligned as indicated

inside the compartment.

4. Replace the battery compartment cover and secure it.

Initial Power On

After installing the battery, press the **ON/C** key to turn on the calculator. The display should show "0" or "0.". If the display does not appear, check the battery installation or replace the battery.

OPERATING INSTRUCTIONS

Basic Calculations

- **Addition (+):** Enter the first number, press **+**, enter the second number, then press **=**.
- **Subtraction (-):** Enter the first number, press **-**, enter the second number, then press **=**.
- **Multiplication (x):** Enter the first number, press **x**, enter the second number, then press **=**.
- **Division (÷):** Enter the first number, press **÷**, enter the second number, then press **=**.

Special Functions

- **ON/C (On/Clear):** Turns the calculator on. When on, pressing it once clears the current entry. Pressing it twice clears all entries and memory.
- **OFF:** Turns the calculator off.
- **+/- (Change Sign):** Changes the sign of the displayed number from positive to negative or negative to positive.
- **% (Percent):** Used for percentage calculations. For example, to calculate 10% of 50: enter 50, press **x**, enter 10, press **%**.
- **√ (Square Root):** Calculates the square root of the displayed number. Enter the number, then press **√**.
- **M+ (Memory Plus):** Adds the displayed number to the memory.
- **M- (Memory Minus):** Subtracts the displayed number from the memory.
- **MRC (Memory Recall/Clear):** Press once to recall the value stored in memory. Press twice to clear the memory.

Automatic Power Down

To conserve battery life, the calculator will automatically power down after a period of inactivity. Press the **ON/C** key to turn it back on.

MAINTENANCE

Cleaning

To clean the calculator, use a soft, dry cloth. For stubborn dirt, slightly dampen the cloth with water. Do not use abrasive cleaners, solvents, or spray directly onto the calculator, as this may damage the display or keys.

Battery Replacement

When the display becomes dim or the calculator functions erratically, it is time to replace the battery. Follow the battery installation steps outlined in the "Setup" section. Ensure proper disposal of old batteries according to local regulations.

Storage

Store the calculator in a cool, dry place away from direct sunlight and extreme temperatures. If storing for an extended period, it is recommended to remove the battery to prevent leakage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Calculator does not turn on.	Dead or incorrectly installed battery.	Check battery installation. Replace battery if necessary.
Display is dim or blank.	Low battery power.	Replace the battery.
Incorrect calculation results.	Incorrect key entry or function usage.	Review operating instructions. Press ON/C twice to clear all entries and memory, then re-enter calculation.
Keys are unresponsive.	Dirt or debris under keys.	Gently clean around the keys. Avoid excessive force.

SPECIFICATIONS

- **Model:** TI-503SV
- **Display:** 8-Digit LCD (SuperView)
- **Power Source:** 1 Lithium Ion battery
- **Dimensions (H x W x D):** 1.91 x 7.87 x 12.19 cm (0.75 x 3.10 x 4.80 inches)
- **Weight:** 83 g (2.93 oz)
- **Material:** Rubber keys
- **Features:** Automatic power-down, change sign key, percent key, square root, memory functions.

WARRANTY AND SUPPORT

Texas Instruments products are manufactured to high-quality standards. For information regarding warranty coverage, please refer to the warranty card included with your product or visit the official Texas Instruments website. For technical support, frequently asked questions, or to contact customer service, please visit the Texas Instruments support page at education.ti.com/en/support.

