

## Texas Instruments TI-1706SV

# Texas Instruments TI-1706SV Handheld Pocket Calculator User Manual

Model: TI-1706SV

## 1. PRODUCT OVERVIEW

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The Texas Instruments TI-1706SV is a compact, 8-digit handheld pocket calculator designed for everyday calculations. It features a SuperView display for clear readability and operates using both solar and battery power, ensuring functionality in various lighting conditions. The color-coded keyboard includes extra-large, easy-to-use keys for comfortable input. A protective slide case is included to safeguard the calculator when not in use.



Image 1: Front view of the Texas Instruments TI-1706SV calculator, showing the 8-digit LCD and color-coded keys.

## 2. KEY FEATURES

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- **SuperView Display:** Provides an 8-digit LCD for enhanced readability.
- **Dual Power Source:** Operates on both solar energy and battery power for reliable use anywhere.
- **Ergonomic Keyboard:** Features color-coded, extra-large keys for easy and accurate input.
- **Protective Slide Case:** Keeps the calculator safe from damage when stored or carried.
- **Change Sign Key (+/-):** Simplifies the entry of negative numbers.
- **Square Root Key ( $\sqrt{\quad}$ ):** Useful for mathematical calculations, particularly in academic settings.

## 3. SETUP

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The TI-1706SV calculator requires minimal setup before use.

### 3.1 Initial Use

1. Remove the calculator from its packaging.
2. Slide off the protective case from the front of the calculator. The case can be stored on the back of the unit during use.
3. Press the **ON/C** button to turn on the calculator. The display should show "0." or a similar initial state.

### 3.2 Power Source

The calculator is equipped with both solar cells and a battery. In well-lit environments, the solar cells provide power. In dim lighting, the battery automatically takes over. No user intervention is required to switch between power sources.

## 4. OPERATING INSTRUCTIONS

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This section details the basic operations of your TI-1706SV calculator.

### 4.1 Basic Arithmetic

To perform basic calculations:

1. Enter the first number.
2. Press the desired operation key ( $\div$  for division,  $\times$  for multiplication,  $-$  for subtraction,  $+$  for addition).
3. Enter the second number.
4. Press the  $=$  key to display the result.

### 4.2 Special Functions

- **ON/C (On/Clear):** Turns the calculator on or clears the current entry and all operations.
- **CE (Clear Entry):** Clears the last number entered without affecting previous operations.
- **+/- (Change Sign):** Changes the sign of the displayed number from positive to negative or vice versa.
- **% (Percentage):** Used for percentage calculations. For example, to calculate 10% of 50: enter 50, press  $\times$ , enter 10, press %.
- **$\sqrt{\quad}$  (Square Root):** Calculates the square root of the displayed number. Enter the number, then press  $\sqrt{\quad}$ .

### 4.3 Memory Functions

The calculator includes memory functions for storing and recalling numbers.

- **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 number stored in memory. Press twice to clear the memory.

## 5. MAINTENANCE

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Proper care will ensure the longevity and optimal performance of your calculator.

### 5.1 Cleaning

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

### 5.2 Storage

When not in use, always place the protective slide case over the calculator to prevent scratches and damage to the keys and display. Store the calculator in a cool, dry place away from direct sunlight and extreme temperatures.

### 5.3 Battery Information

The TI-1706SV uses a combination of solar power and a backup battery. Under normal usage with adequate light, the solar cells primarily power the unit. If the display becomes dim or unresponsive in sufficient light, the internal battery may be low. Battery replacement is typically not user-serviceable for this model; consult Texas Instruments support if issues persist.

## 6. TROUBLESHOOTING

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If you encounter issues with your calculator, refer to the following common problems and solutions.

### 6.1 Display is Blank or Dim

- **Check Lighting:** Ensure the calculator is in a well-lit area. The solar cells require sufficient light to operate effectively. If the room is dim, the display may not function properly.
- **Press ON/C:** Press the **ON/C** button to ensure the calculator is turned on.
- **Battery Check:** If the issue persists in good lighting, the internal battery may be depleted. Contact customer support for assistance.

### 6.2 Incorrect Calculation Results

- **Clear All:** Press **ON/C** to clear any previous operations or memory contents that might be affecting the calculation.
- **Re-enter Calculation:** Carefully re-enter the numbers and operations to ensure accuracy.
- **Check Operation Order:** Be mindful of the order of operations for complex calculations.

### 6.3 Keys Not Responding

- **Clean Keys:** Ensure no debris is lodged under or around the keys. Gently wipe the keyboard area.
- **Restart:** Press **ON/C** to reset the calculator.

## 7. SPECIFICATIONS

Feature	Specification
Brand	Texas Instruments
Model Number	1706SV/TBL/2L1/A
Display	8-Digit LCD (SuperView)
Power Source	Solar / Battery
Color	Silver
Product Dimensions (L x W)	8" x 5"
Item Weight	0.2 Pounds
Special Feature	Portable
UPC	033317063000

## 8. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries regarding your Texas Instruments TI-1706SV calculator, please refer to the official Texas Instruments website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

**Online Support:** Visit the official Texas Instruments support page for FAQs, product registration, and contact options.