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Casio SL-310UC-PK

Casio SL-310UC-PK Calculator User Manual

Model: SL-310UC-PK

1. INTRODUCTION

This manual provides detailed instructions for the proper use and maintenance of your Casio SL-310UC-PK calculator. Please read this manual thoroughly before using the calculator to ensure optimal performance and longevity.

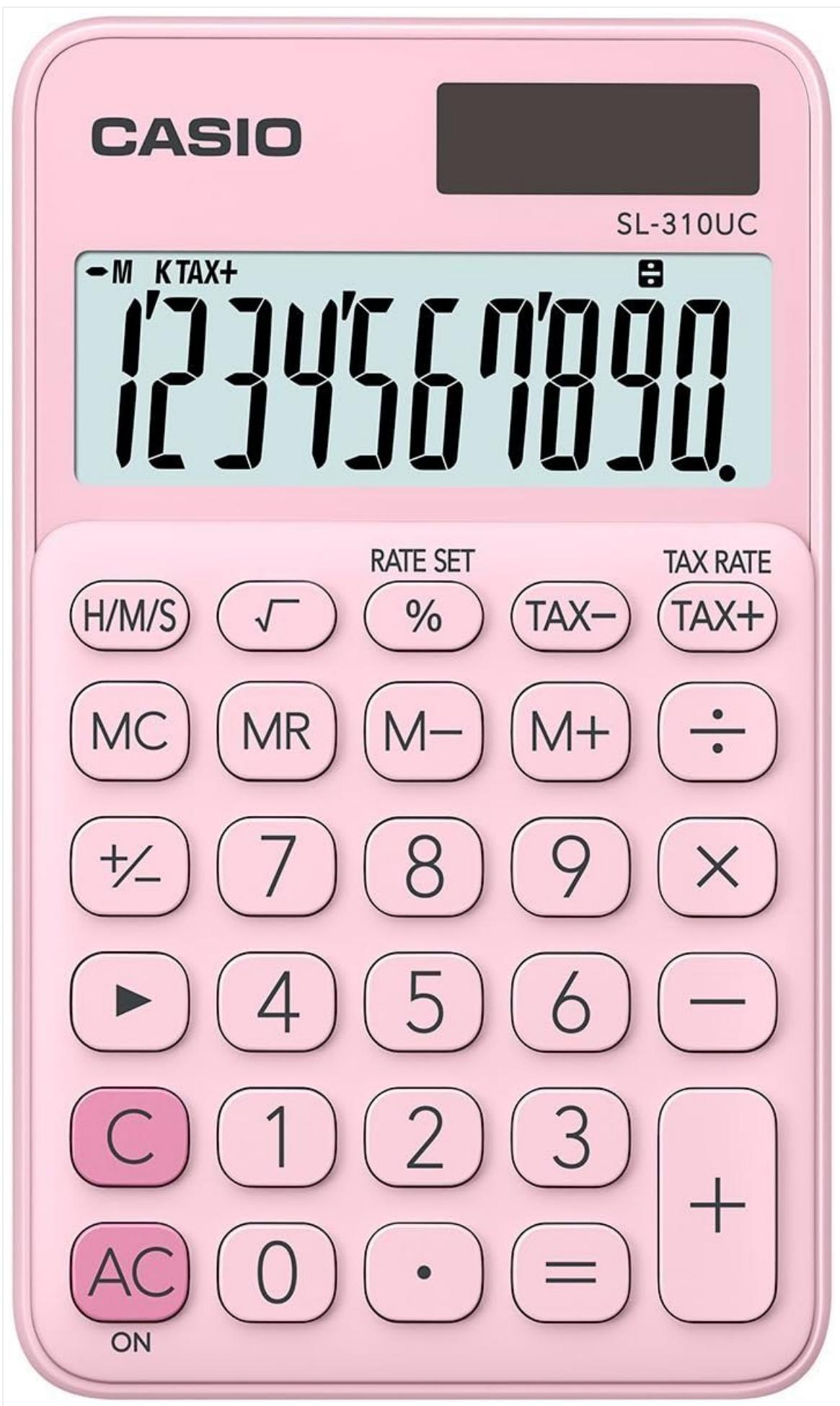


Image 1.1: The Casio SL-310UC-PK calculator. This image displays the overall design and layout of the calculator, featuring its compact size and key arrangement.

2. KEY FEATURES

- **Dual Power Source:** Operates on both solar power and battery for reliable use in various lighting conditions.
- **8-Digit Display:** Clear and easy-to-read display for calculations.
- **Basic Arithmetic Functions:** Addition, subtraction, multiplication, and division.
- **Percentage Calculation:** Dedicated key for quick percentage operations.
- **Tax Calculation:** TAX+ and TAX- keys for easy tax rate additions and subtractions.
- **Memory Functions:** Independent memory (M+, M-, MR, MC) for complex calculations.
- **Square Root Function:** For mathematical computations.
- **Time Calculation (H/M/S):** For hours, minutes, and seconds calculations.
- **Compact Design:** Portable and convenient for everyday use.

3. SETUP

3.1 Power Source

The Casio SL-310UC-PK calculator utilizes a dual power system, combining solar power with a single product-specific battery (included). This ensures continuous operation even in low light conditions.

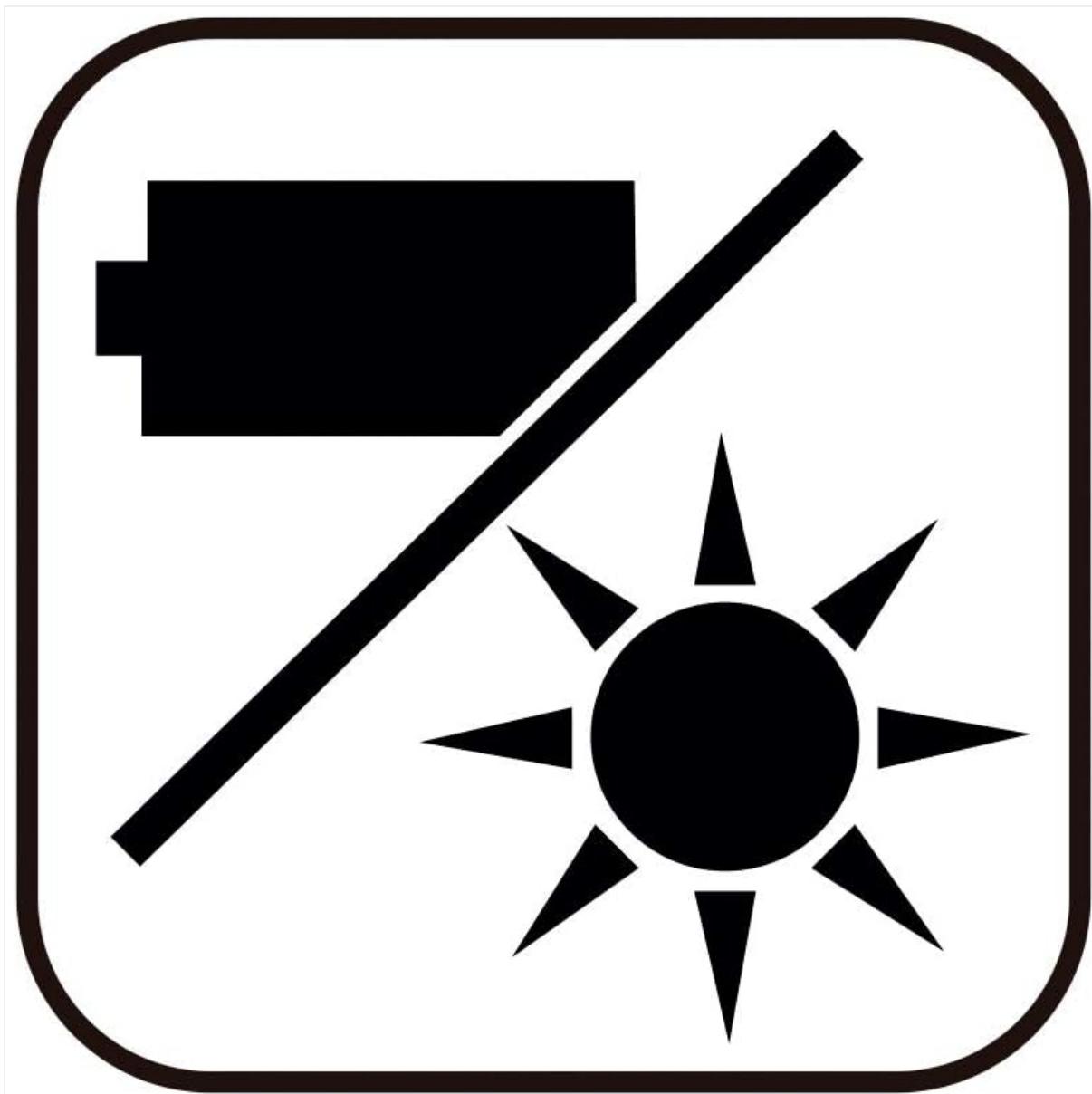


Image 3.1: Icon representing the dual power source (battery and solar). This indicates the calculator can draw power from both ambient light and its internal battery.

3.2 Initial Use

1. **Power On:** Press the **AC/ON** button to turn on the calculator.
2. **Display Check:** Ensure the display shows "0" or a clear reading. If the display is dim, expose the calculator to brighter light or consider battery replacement if issues persist.

4. OPERATING INSTRUCTIONS

4.1 Basic Calculations

Perform standard arithmetic operations:

- **Addition:** Enter first number $+$ second number $=$
- **Subtraction:** Enter first number $-$ second number $=$
- **Multiplication:** Enter first number \times second number $=$
- **Division:** Enter first number \div second number $=$

4.2 Percentage Calculations

To calculate percentages:

- **Example:** To find 15% of 200: Enter **200 \times 15 %**. The result will be 30.
- **Example:** To add 15% to 200: Enter **200 $+$ 15 %**. The result will be 230.

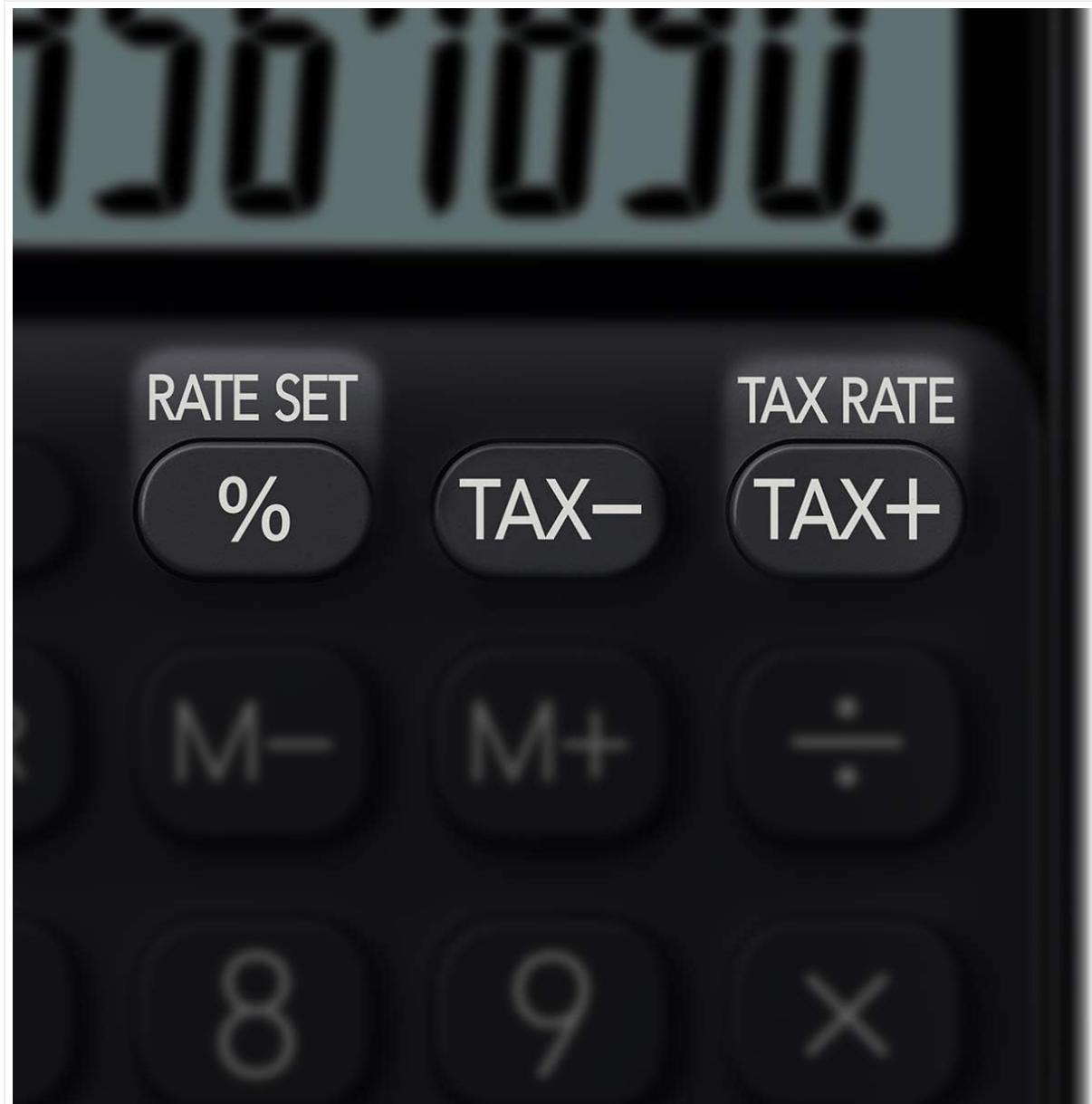


Image 4.1: Close-up of the percentage (%), TAX-, and TAX+ buttons. These keys are used for quick financial calculations.

4.3 Tax Calculations

The calculator features dedicated keys for tax calculations. First, set the tax rate:

1. Press **RATE SET**.
2. Enter the tax rate (e.g., **5** for 5%).
3. Press **RATE SET** again to save.

Once the tax rate is set:

- **Add Tax:** Enter amount **TAX+**.
- **Subtract Tax:** Enter amount **TAX-**.

4.4 Memory Functions

Use memory keys to store and recall values:

- **M+:** Adds the displayed value to memory.
- **M-:** Subtracts the displayed value from memory.
- **MR:** Recalls the value stored in memory.
- **MC:** Clears the memory.

4.5 Square Root Calculation

To calculate the square root of a number:

- Enter the number.
- Press the $\sqrt{}$ (square root) button.

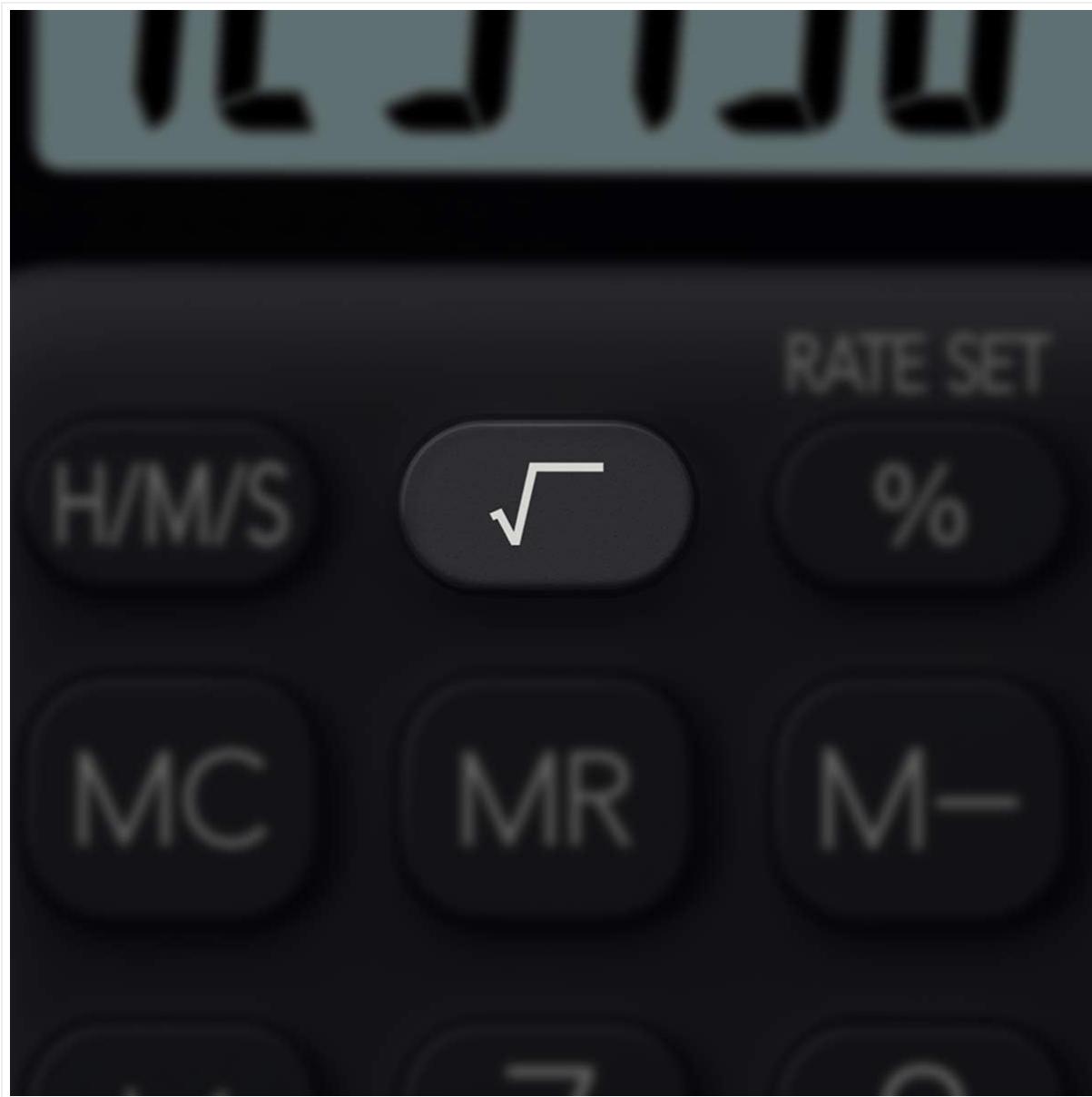


Image 4.2: Close-up of the square root ($\sqrt{}$) button. This button is used for calculating the square root of a displayed number.

4.6 Time Calculations (H/M/S)

The **H/M/S** button allows for calculations involving hours, minutes, and seconds. This function treats numbers as sexagesimal (base 60) values for time-related arithmetic.

- Enter the hours, then press **H/M/S**.
- Enter the minutes, then press **H/M/S**.
- Enter the seconds, then press **H/M/S**.
- Perform desired operation (+, -, etc.) and press **=**.



Image 4.3: Close-up of the H/M/S button. This button is used for inputting and calculating values in hours, minutes, and seconds format.

5. MAINTENANCE

5.1 Cleaning

- Wipe the calculator with a soft, dry cloth.
- Do not use abrasive cleaners, solvents, or alcohol, as these can damage the casing and display.

5.2 Storage

- Store the calculator in a cool, dry place away from direct sunlight and extreme temperatures.
- Avoid placing heavy objects on the calculator to prevent damage to the display or keys.

5.3 Battery Replacement

When the display becomes dim or calculations are erratic even in bright light, the battery may need replacement. Refer to the battery compartment on the back of the unit for specific battery type and replacement instructions. Ensure proper polarity when inserting a new battery.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Display is blank or dim.	Insufficient light for solar panel, or low battery.	Move to a brighter area. If problem persists, replace the battery.
Incorrect calculation results.	Incorrect input, or memory not cleared.	Double-check input. Press AC to clear all and MC to clear memory before starting a new calculation.
Keys are unresponsive.	Dust or debris under keys, or internal malfunction.	Gently clean around keys. If problem persists, contact customer support.

7. SPECIFICATIONS

- **Model:** SL-310UC-PK
- **Dimensions (H x W x D):** Approximately 4.65 x 2.76 x 0.31 inches (11.8 x 7 x 0.8 cm)
- **Weight:** Approximately 1.76 ounces (50 grams)
- **Power Source:** Solar and 1 x Product Specific battery (included)
- **Display:** 8-digit LCD
- **Functions:** Basic arithmetic, percentage, tax calculation, memory, square root, time calculation (H/M/S)
- **Manufacturer:** CASIO
- **Date First Available:** November 30, 2017

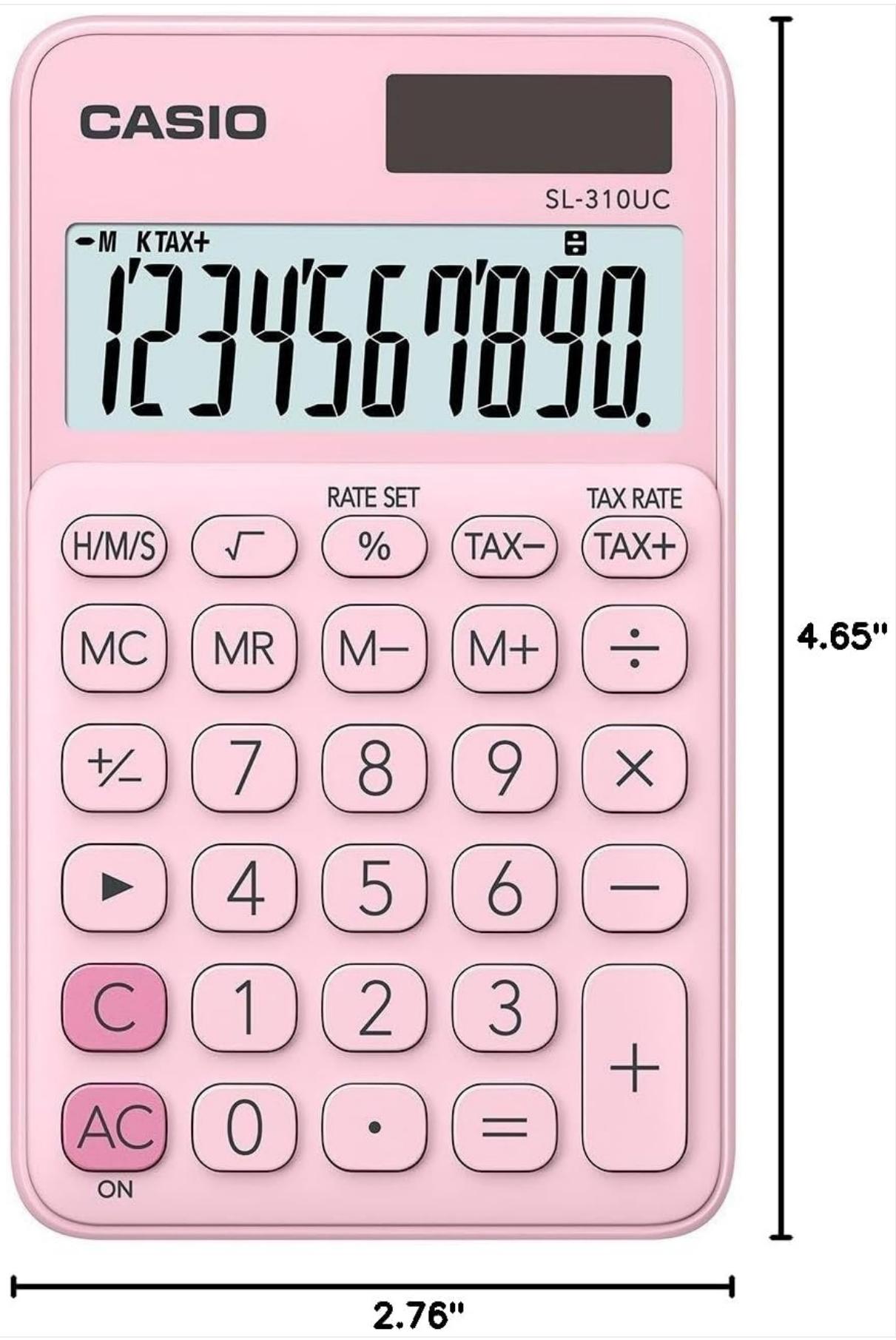


Image 7.1: Diagram illustrating the dimensions of the Casio SL-310UC-PK calculator. The image shows the length (4.65 inches) and width (2.76 inches) of the device.

8. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your purchase or

visit the official Casio website. Keep your proof of purchase for warranty claims.

Manufacturer: CASIO