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› Esperanza ECL102 Basic Desktop Calculator User Manual

Esperanza ECL102

Esperanza ECL102 Basic Desktop Calculator User Manual

Model: ECL102

This manual provides essential information for the safe and efficient use of your Esperanza ECL102 calculator.

IMPORTANT SAFETY INSTRUCTIONS

Please read these instructions carefully before using the calculator. Keep this manual for future reference.

- Do not expose the calculator to direct sunlight for extended periods or to extreme temperatures.
- Avoid dropping the calculator or subjecting it to strong impacts.
- Do not attempt to disassemble or modify the calculator. This will void the warranty.
- Keep the calculator away from water and other liquids.
- Use a soft, dry cloth for cleaning. Do not use abrasive cleaners or solvents.

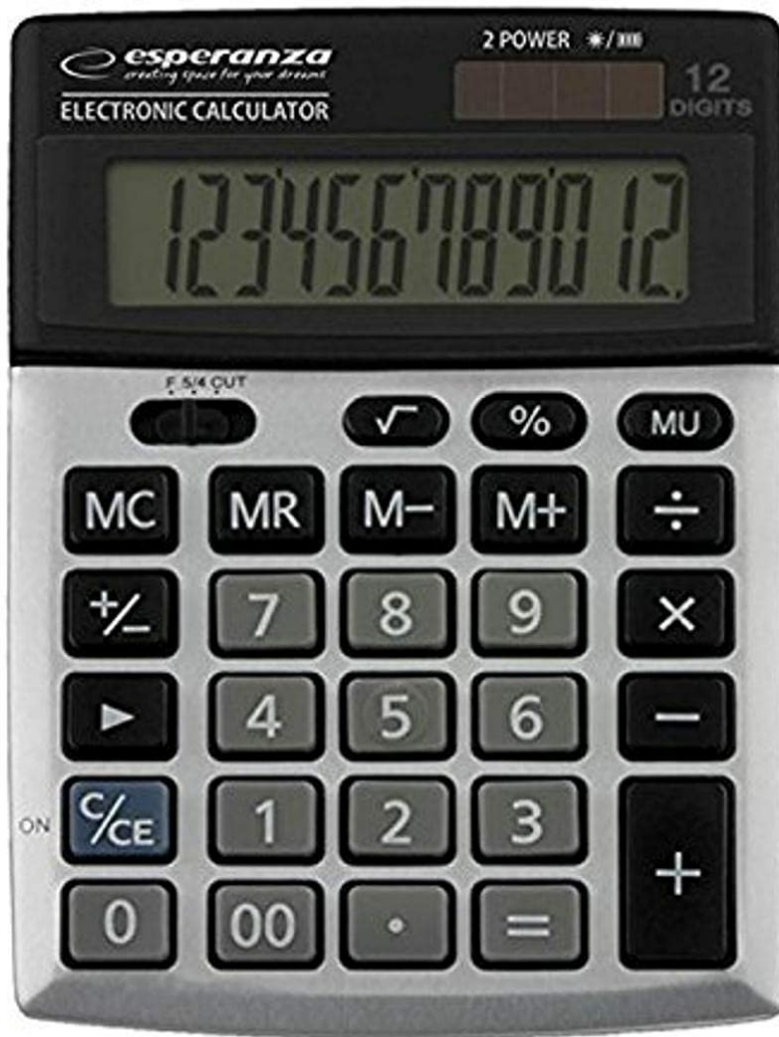


Image: Esperanza ECL102 Basic Desktop Calculator. This image shows the calculator from an angled top-down view, displaying its 12-digit screen, solar panel, and key layout.

SETUP

Unpacking

Carefully remove the calculator from its packaging. Ensure all components are present and undamaged. Retain the packaging for future storage or transport.

Power Source

The Esperanza ECL102 calculator operates primarily on solar power. For optimal performance, ensure the solar panel (located above the display) is exposed to sufficient light. The calculator also requires one battery for backup power, typically a button cell battery (e.g., LR44 or similar, not specified in detail in product data). If the display is dim or unresponsive in low light, the battery may need replacement.

Initial Setup

Upon first use, or after battery replacement, the calculator should power on automatically when exposed to light. If not, press the **ON/C/CE** button to turn it on. The display will show "0".

OPERATING INSTRUCTIONS

Basic Operations

- **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 **=**.
- **Clear Entry (CE):** Clears the last entered number.
- **Clear All (C):** Clears all entries and resets the calculator.
- **On/Clear (ON/C/CE):** Turns the calculator on, or clears the current entry/all entries depending on context.

Memory Functions

- **Memory Clear (MC):** Clears the memory content.
- **Memory Recall (MR):** Displays the current memory content.
- **Memory Plus (M+):** Adds the displayed value to the memory.
- **Memory Minus (M-):** Subtracts the displayed value from the memory.

Percentage and Square Root

- **Percentage (%):** Used for percentage calculations. For example, to calculate 10% of 200, enter 200 x 10 %.
- **Square Root (√):** Enter a number, then press **√** to calculate its square root.

MAINTENANCE

Cleaning

To clean the calculator, gently wipe the surface with a soft, dry cloth. For stubborn dirt, slightly dampen the cloth with water, then wipe dry immediately. Do not use chemical cleaners, solvents, or abrasive materials.

Battery Replacement

If the display becomes dim or the calculator functions erratically even in good light, the backup battery may need replacement. The battery compartment is typically located on the back of the calculator. Use a small screwdriver to open it, replace the old battery with a new one of the same type (e.g., LR44), ensuring correct polarity, and then securely close the compartment. Dispose of old batteries responsibly according to local regulations.

TROUBLESHOOTING

Common Issues

- **Calculator does not turn on:**
 - Ensure the solar panel is exposed to sufficient light.
 - Press the **ON/C/CE** button.
 - Check and replace the backup battery if necessary.

- **Incorrect calculation results:**

- Ensure you are pressing the correct operation keys.
- Clear the calculator by pressing **C** or **ON/C/CE** and re-enter the calculation.
- Avoid pressing multiple keys simultaneously.

- **Display is dim or flickering:**

- Move the calculator to a brighter area to utilize solar power.
- Replace the backup battery.

SPECIFICATIONS

The following are the technical specifications for the Esperanza ECL102 Basic Desktop Calculator:

Feature	Detail
Model Number	ECL102
Display Digits	12 digits
Display Lines	1 line
Type	Basic Desktop Calculator
Power Source	Solar powered, 1 battery required (backup)
Color	Black, Grey
Manufacturer	Esperanza
ASIN	B00FP237RG

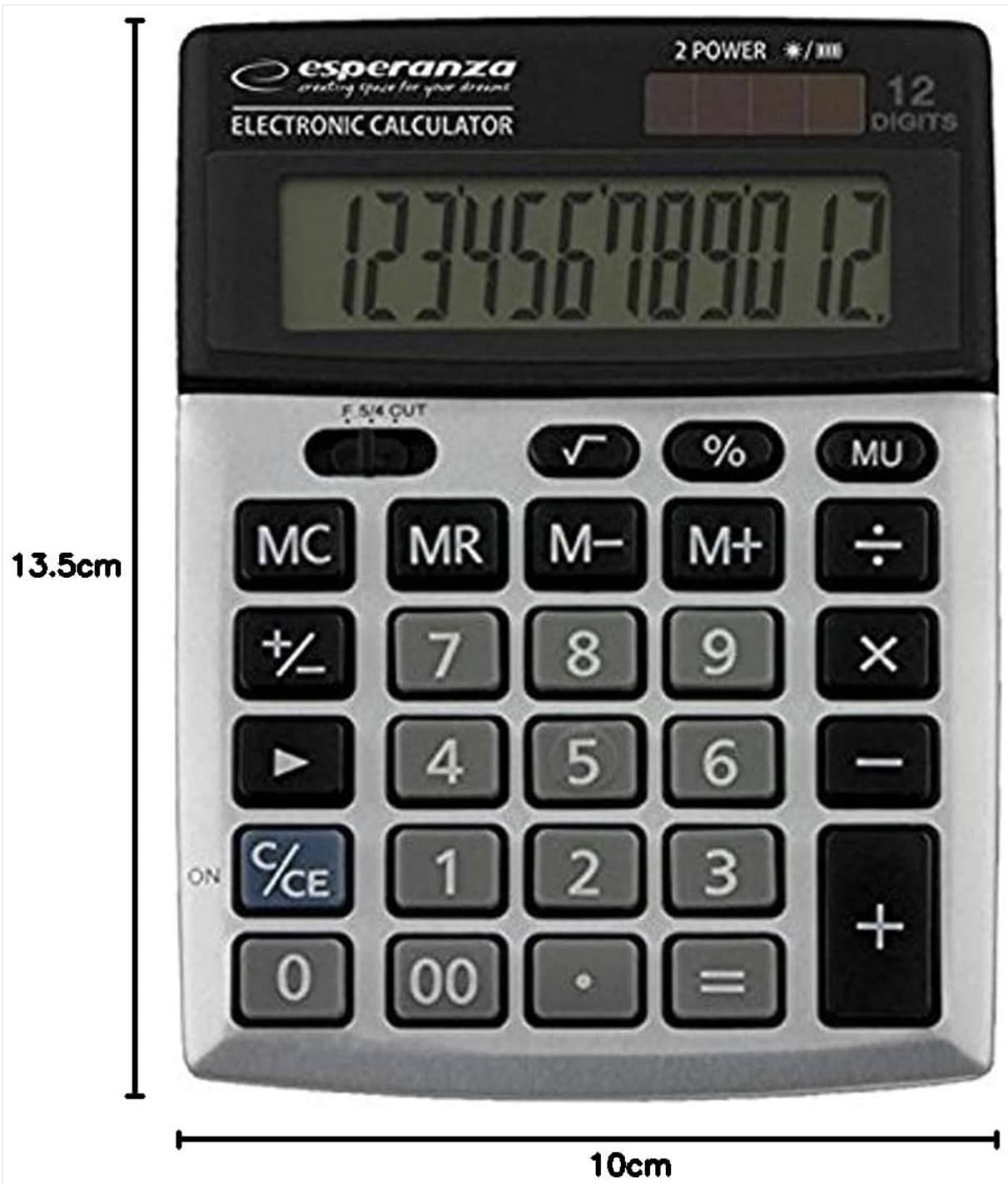


Image: Esperanza ECL102 Calculator showing approximate dimensions. The image indicates a width of 10cm and a length of 13.5cm.

WARRANTY AND SUPPORT

Warranty Information

This product is covered by a standard manufacturer's warranty. Please refer to the warranty card included with your purchase or contact the retailer for specific warranty terms and conditions. Keep your proof of purchase for warranty claims.

Customer Support

For technical assistance, troubleshooting, or inquiries regarding your Esperanza ECL102 calculator, please contact Esperanza customer support or your local retailer. Contact information can typically be found on the manufacturer's website or product packaging.

