

MAUL MSC 240 ECO

MAUL MSC 240 ECO Scientific Calculator User Manual

Model: MSC 240 ECO | Brand: MAUL

1. INTRODUCTION

This manual provides detailed instructions for the MAUL MSC 240 ECO Solar Desktop Scientific Calculator. Designed for efficiency and environmental responsibility, this calculator is constructed from 80% recycled plastic. It features a two-line display and offers 240 functions suitable for various calculations in office, workshop, or academic settings.

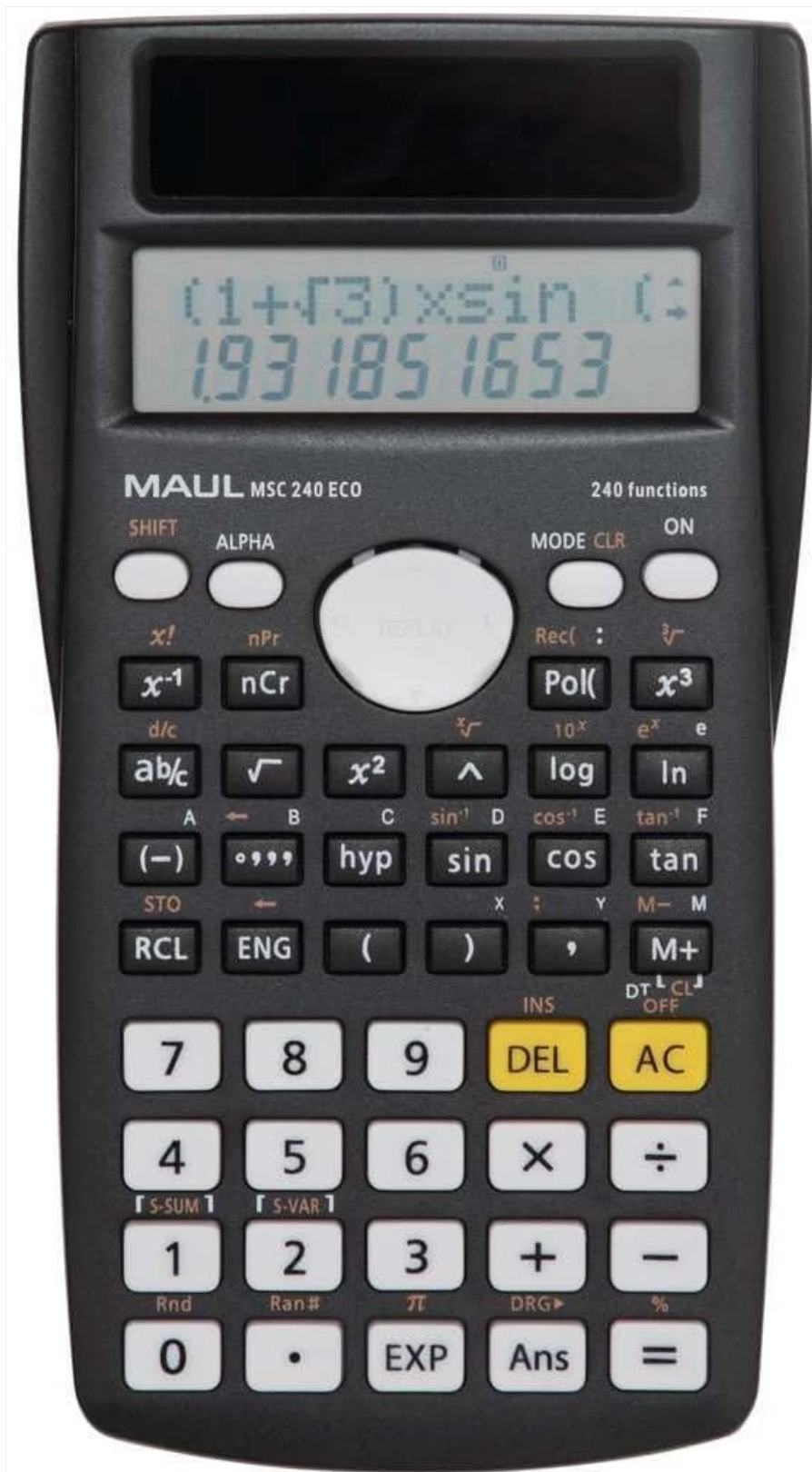


Image 1.1: Front view of the MAUL MSC 240 ECO Scientific Calculator, displaying its two-line screen and key layout.

2. SETUP AND POWER SUPPLY

2.1 Powering On

The MAUL MSC 240 ECO calculator is solar-powered and does not require batteries. It operates efficiently in well-lit environments.

- Ensure the solar panel, located above the display, is exposed to sufficient light.
- Press the **ON** button to activate the calculator.

2.2 Automatic Shut-off

To conserve energy, the calculator features an automatic shut-off function. If left inactive for a period, it will power down automatically. Press **ON** to reactivate.



Image 2.1: Close-up view of the MAUL MSC 240 ECO's two-line display and the solar panel for power.

3. OPERATING INSTRUCTIONS

3.1 Basic Operations

Perform standard arithmetic calculations using the number keys and operators (+, -, ×, ÷). Press = to display the result.

- **DEL**: Deletes the last entered digit or character.
- **AC**: Clears all entries and resets the calculator.
- **Ans**: Recalls the last calculated answer.
- **%**: Calculates percentages.

3.2 Scientific Functions (240 Functions)

The MAUL MSC 240 ECO includes a wide range of scientific functions. Many functions are accessed by pressing the **SHIFT** key followed by the desired function key (indicated by secondary labels above the keys).

- **Trigonometric Functions:** **sin**, **cos**, **tan** and their inverse functions (**SHIFT** + **sin⁻¹**, **cos⁻¹**, **tan⁻¹**).
- **Logarithmic Functions:** **log** (base 10) and **ln** (natural logarithm).
- **Power and Root Functions:** **x²**, **√**, **x³**, **³√** (via **SHIFT**).
- **Fractions:** Use the **ab/c** key for fraction input and conversion.
- **Memory Functions:** **STO** (Store) and **RCL** (Recall) to save and retrieve values from memory variables (A-F).
- **Replay Function:** The central **REPLAY** button allows navigation through previous calculations for editing or re-execution.
- **Mode Settings:** Press **MODE CLR** to access different calculation modes (e.g., DEG, RAD, GRA for angles) and clear memory.



Image 3.1: A hand holding the MAUL MSC 240 ECO calculator, illustrating its ergonomic design and key accessibility.

4. MAINTENANCE

Proper care ensures the longevity and optimal performance of your calculator.

- **Cleaning:** Use a soft, dry cloth to clean the calculator's exterior. For stubborn dirt, slightly dampen the cloth with water. Avoid harsh chemicals or abrasive cleaners.
- **Storage:** Store the calculator in a cool, dry place away from direct sunlight and extreme temperatures.
- **Protection:** While durable, avoid dropping the calculator or subjecting it to strong impacts.
- **Solar Panel:** Keep the solar panel clean and unobstructed to ensure continuous power supply.

5. TROUBLESHOOTING

If you encounter issues with your MAUL MSC 240 ECO calculator, refer to the following common solutions:

Problem	Solution
Calculator does not turn on.	Ensure the solar panel is exposed to sufficient light. The calculator is solar-powered and requires light to operate.
Display shows "ERROR" or unexpected results.	Press AC to clear the current calculation and reset the calculator. Check your input for correct syntax.
Keys are unresponsive.	Clean the keys and surrounding areas with a soft, dry cloth to remove any debris. Ensure the calculator is adequately lit.

6. SPECIFICATIONS

Feature	Detail
Model	MAUL MSC 240 ECO
Type	Scientific Desktop Calculator
Display	LCD, 2 lines, 10 digits
Functions	240 (including trigonometric, logarithmic, power, root, fractions, statistics, differential, integral)
Power Source	Solar powered
Material	80% Recycled Plastic
Dimensions (L x W x H)	16.1 x 8.5 x 2.1 cm (6.3 x 3.35 x 0.83 inches)
Weight	Approximately 146 g
Manufacturer	Jakob Maul GmbH

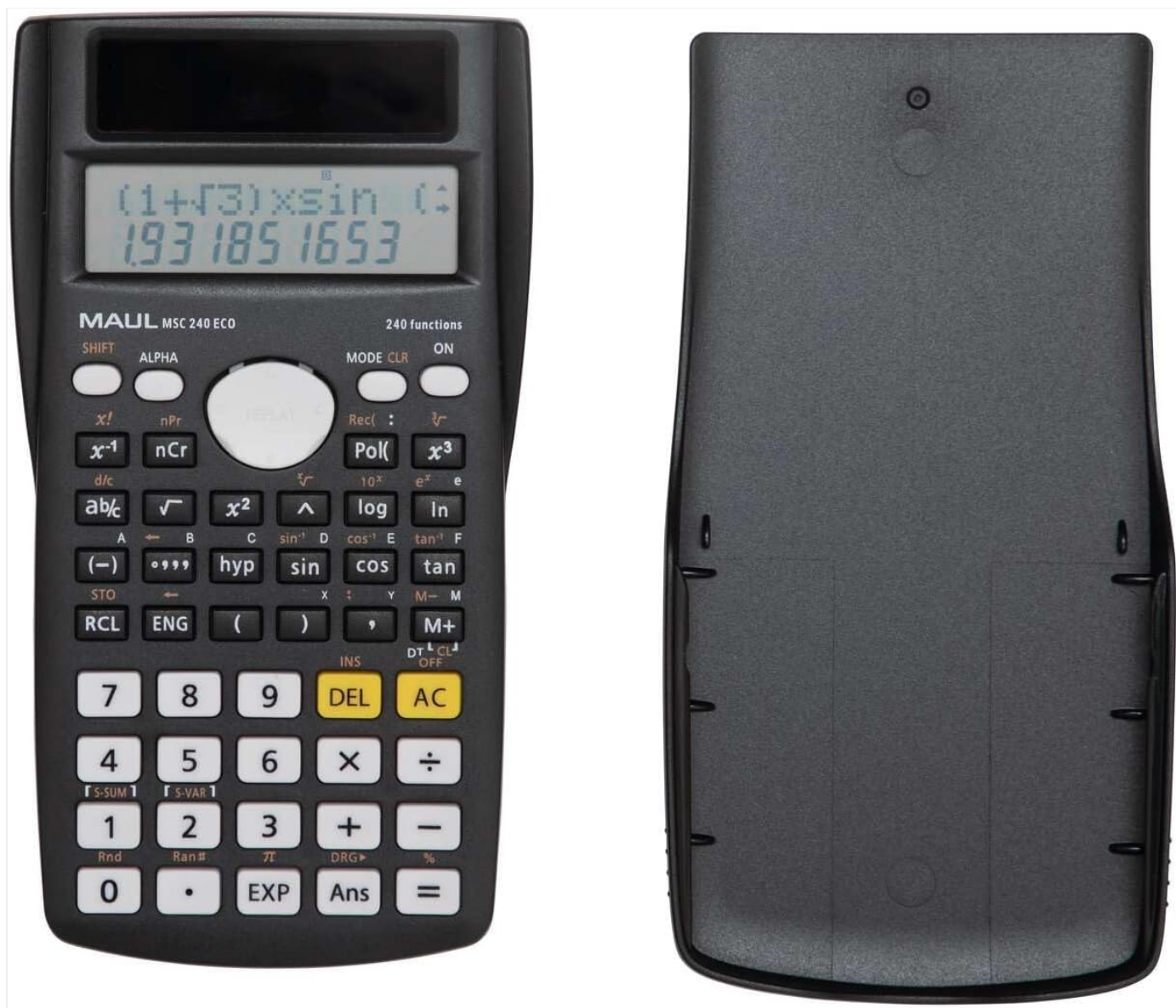


Image 6.1: Front and back views of the MAUL MSC 240 ECO calculator, showcasing its design and the protective cover.

7. WARRANTY AND SUPPORT

7.1 Warranty Information

The MAUL MSC 240 ECO Scientific Calculator comes with a five-year manufacturer's warranty. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

7.2 Customer Support

For further assistance, technical support, or warranty inquiries, please contact Jakob Maul GmbH, the manufacturer. Refer to the official MAUL website for current contact information.



Related Documents - MSC 240 ECO

MAUL

User manual for the MAUL ECO 650 desktop calculator, detailing key functions, solar power operation, and warranty information.