

LogiLink EM0004

LogiLink EM0004 180° Rotatable Energy Cost Meter

User Manual

Model: EM0004 | Brand: LogiLink

1. INTRODUCTION

The LogiLink EM0004 Energy Cost Meter is designed to help you monitor and understand the electricity consumption of your household appliances. By displaying real-time power usage and calculating energy costs based on your input tariff, this device enables you to identify energy-intensive appliances and manage your electricity expenses more effectively. Its 180° rotatable display ensures easy readability from various angles.

2. SAFETY INFORMATION

- Ensure the device is connected to a properly grounded electrical outlet.
- Do not exceed the maximum load capacity of 16 A / 3600 W. Overloading can cause damage to the device or connected appliances and poses a fire hazard.
- This device is intended for indoor use only. Avoid exposure to moisture, direct sunlight, or extreme temperatures.
- Do not disassemble or attempt to repair the device. Refer all servicing to qualified personnel.
- Keep out of reach of children.
- Always unplug the device from the wall outlet before cleaning. Use a dry, soft cloth for cleaning.

3. PRODUCT OVERVIEW

The LogiLink EM0004 features a large LCD display and two control buttons for easy operation. Its compact design allows it to be plugged directly into a wall socket, and the rotatable display provides flexibility for viewing.

Key Features:

- Large, 180° rotatable LCD display for easy reading.
- Measures energy consumption (kWh) and calculates energy costs.
- Monitors real-time voltage, current, power, and frequency.
- Maximum load capacity: 16 A, 3600 W.
- Measurement accuracy: $\pm 2\%$.
- Integrated child protection for enhanced safety.

Components:

- Energy Cost Meter Unit
- LCD Display
- MODE Button
- UP Button
- Type F (Schuko) Plug and Socket



Figure 3.1: Front view of the LogiLink EM0004 Energy Cost Meter, showing the display indicating 230.0V and the 'MODE' and 'UP' buttons.



Figure 3.2: Angled view of the LogiLink EM0004, highlighting its 180° rotatable display feature for optimal viewing.

4. SETUP

1. **Unpack the Device:** Carefully remove the LogiLink EM0004 from its packaging.
2. **Plug into Wall Socket:** Insert the energy cost meter directly into a standard 230V, 50Hz wall outlet. The display will illuminate.
3. **Rotate Display (Optional):** Adjust the display angle up to 180° for optimal visibility.
4. **Connect Appliance:** Plug the appliance you wish to monitor into the socket on the front of the energy cost meter.



Figure 4.1: The LogiLink EM0004 plugged into a wall socket, monitoring a coffee machine's energy consumption.

5. OPERATING INSTRUCTIONS

5.1. Setting the Electricity Tariff

To calculate energy costs, you must first enter your local electricity tariff (cost per kWh).

1. Press and hold the **MODE** button for approximately 3 seconds until the cost setting mode is activated. The display will show "COST" and a flashing digit.
2. Use the **UP** button to increase the flashing digit.
3. Press the **MODE** button briefly to move to the next digit.
4. Repeat steps 2 and 3 until your desired tariff (e.g., 0.25 for €0.25 per kWh) is entered.
5. Press and hold the **MODE** button again for 3 seconds to save the tariff and exit the setting mode.

5.2. Navigating Display Modes

Press the **MODE** button briefly to cycle through the different display modes. The available modes are:

- **Voltage (V):** Displays the current line voltage (e.g., 230.0V).
- **Current (A):** Shows the current drawn by the connected appliance.

- **Power (W):** Indicates the real-time power consumption of the appliance.
- **Frequency (Hz):** Displays the mains frequency (e.g., 50.0Hz).
- **Total Energy (kWh):** Accumulates the total energy consumed since the last reset.
- **Total Cost:** Displays the total calculated cost based on the accumulated energy and set tariff.



Figure 5.1: The display showing the accumulated total energy consumption in kWh.

5.3. Resetting Total Energy/Cost

To reset the accumulated total energy (kWh) and total cost, press and hold the **UP** button for approximately 3 seconds while in the Total Energy (kWh) or Total Cost display mode. The values will reset to zero.

6. SPECIFICATIONS

Parameter	Value
Model Number	EM0004
Rated Voltage	230 V, 50 Hz
Maximum Current	16 A
Maximum Power	3600 W
Energy Display Range	0.0 to 9999 kWh
Measurement Accuracy	±2%
Display Rotation	180°
Dimensions (L x W x H)	9.1 x 5.8 x 10.9 cm
Weight	119 grams
Usage Environment	Indoor
Power Type	AC_DC

7. TROUBLESHOOTING

7.1. Display is blank or not working

- Ensure the device is securely plugged into a live wall outlet.
- Check if the wall outlet itself is functioning by plugging in another appliance.

7.2. Incorrect cost calculation

- Verify that the electricity tariff entered into the device is correct. Refer to Section 5.1 for instructions on setting the tariff.

7.3. Appliance not receiving power when plugged into the meter

- Ensure the appliance is properly plugged into the meter's socket.
- Check if the appliance itself is working by plugging it directly into a wall outlet.
- Confirm that the appliance's power consumption does not exceed the meter's maximum capacity (3600 W).

8. MAINTENANCE

- **Cleaning:** Disconnect the device from the power outlet before cleaning. Use a soft, dry cloth to wipe the surface. Do not use liquid cleaners or abrasive materials.
- **Storage:** When not in use for extended periods, store the device in a cool, dry place away from direct sunlight and extreme temperatures.

9. WARRANTY AND SUPPORT

Information regarding specific warranty terms and customer support contact details is not available in this manual. Please refer to the product packaging or the LogiLink official website for warranty information and support contacts.