

KETOTEK KTEM02BL IT

KETOTEK Energy Consumption Meter KTEM02BL IT - Instruction Manual

Model: KTEM02BL IT

1. INTRODUCTION

Thank you for choosing the KETOTEK KTEM02BL IT Energy Consumption Meter. This device is designed to help you monitor the electricity consumption of your appliances, calculate energy costs, and identify opportunities for energy saving. Featuring a large backlit LCD screen, multiple data display modes, and essential protection functions, this meter provides a clear and comprehensive overview of your electrical usage.

Please read this manual carefully before using the product to ensure safe and optimal operation.

2. SAFETY INFORMATION

- Ensure the meter is connected to a properly grounded power outlet.
- Do not exceed the maximum load capacity of 3680W. Overloading can damage the device and connected appliances, and poses a fire risk.
- Do not disassemble or attempt to repair the device. Refer all servicing to qualified personnel.
- Keep the device away from water, moisture, and extreme temperatures.
- The meter is constructed from flame-retardant ABS material for enhanced safety.
- The device is intended for indoor use only.

3. PRODUCT OVERVIEW

3.1 Package Contents

- 1 x KETOTEK Energy Consumption Meter (KTEM02BL IT)
- 1 x Instruction Manual

3.2 Device Layout and Display

The KTEM02BL IT features a clear LCD display and five control buttons for easy operation.



Figure 1: KETOTEK Energy Meter with display and button labels.

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Figure 2: KETOTEK Energy Meter display showing various parameters and their corresponding icons.

Display Elements:

- **Total Time:** Cumulative operating time.
- **kWh:** Cumulative energy consumption.
- **Cost:** Total electricity cost based on set price.
- **W (Active Power):** Current power consumption in Watts.
- **VA (Apparent Power):** Apparent power.
- **V (Voltage):** Current voltage.
- **A (Current):** Current amperage.
- **Hz (Frequency):** Current frequency.
- **PF (Power Factor):** Power factor.
- **Max Power:** Maximum recorded power.
- **Min Power:** Minimum recorded power.
- **Overload Alarm:** Indication when power exceeds set limit.
- **KWh Alarm:** Indication when cumulative energy exceeds set limit.
- **Cost Alarm:** Indication when total cost exceeds set limit.

Control Buttons:

- **M (Mode):** Cycles through different display modes.
- **+ (Plus):** Increases values during setting.
- **OK:** Confirms settings or enters setting mode.
- **- (Minus):** Decreases values during setting.
- **S (Set/Reset):** Enters setting mode for alarms/cost or performs a reset.

4. SETUP

1. **Plug In:** Insert the KETOTEK Energy Meter into a standard Italian wall socket.
2. **Connect Appliance:** Plug the appliance you wish to monitor into the meter's socket.
3. **Initial Display:** The LCD screen will light up, displaying default or previously stored data. The backlight will activate automatically when any button is pressed and will turn off after approximately 10 minutes of inactivity.
4. **Set Electricity Price (Optional but Recommended):** To calculate electricity costs accurately, you need to set the price per kWh.
 - Press the **S** button to enter the price setting mode.
 - Use the **+** and **-** buttons to adjust the digit that is flashing.
 - Press **OK** to move to the next digit.
 - Once the price is set, press **S** again to save and exit.



Figure 3: Example of the energy meter connected to an appliance.

5. OPERATING INSTRUCTIONS

5.1 Monitoring Data Modes

Press the **M** (Mode) button repeatedly to cycle through the various measurement displays:

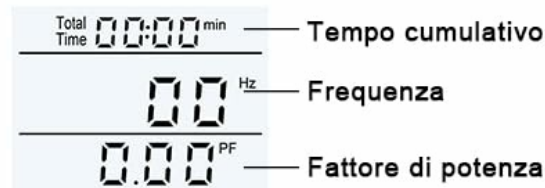
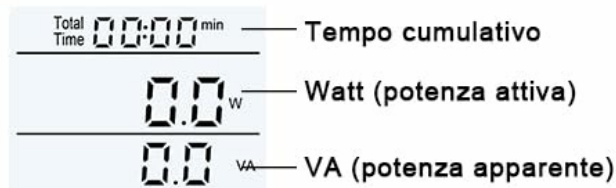
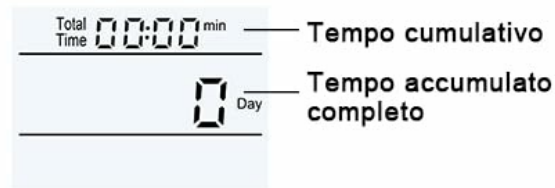
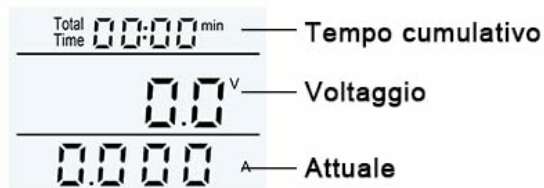
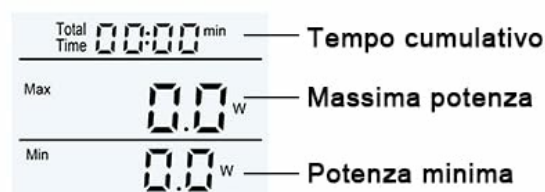
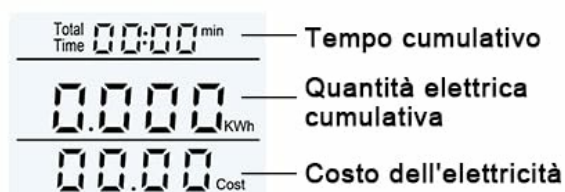


Figure 4: Six measurement modes displayed on the meter.

- **Mode 1:** Total Time, Cumulative kWh, Total Cost
- **Mode 2:** Total Time, Current Voltage (V), Current Amperage (A)
- **Mode 3:** Total Time, Active Power (W), Apparent Power (VA)
- **Mode 4:** Total Time, Frequency (Hz), Power Factor (PF)
- **Mode 5:** Total Time, Maximum Power (Max W)
- **Mode 6:** Total Time, Minimum Power (Min W)

5.2 Setting Alarms (Overload, kWh, Cost)

The meter features multiple protection alarms to alert you when certain thresholds are exceeded.



Monitoraggio dell'alimentazione Plug & Play

Allarme sovraccarico / KWH / Costo:

Quando la potenza del carico/il consumo energetico del carico/il costo dell'elettricità superano il valore impostato corrispondente. Il display LCD "SOVRACCARICO/Allarme KWh/Allarme Costo" lampeggia + la luce LED lampeggia.

Figure 5: Visual indication of an active alarm.

1. Press and hold the **S** button for 3 seconds to enter alarm setting mode.
2. Press **M** to cycle through Overload (W), KWh Alarm, and Cost Alarm settings.
3. Use **+** and **-** buttons to adjust the desired alarm value.
4. Press **OK** to confirm the digit and move to the next.
5. Once all alarm values are set, press **S** again to save and exit.

When an alarm threshold is reached, the display will flash "OVERLOAD", "KWh Alarm", or "Cost Alarm", and an LED indicator will blink to warn the user.

5.3 Memory Function

The KTEM02BL IT is equipped with a memory function. All set parameters (like electricity price and alarm thresholds) and cumulative measurement data (kWh, cost, total time) are automatically stored. This means your data will be retained even if the device is unplugged or experiences a power outage.



Figure 6: The meter retains data even when disconnected from power.

5.4 Reset Function

To clear all cumulative measurement data (kWh, cost, total time) while retaining your set parameters (electricity price, alarm thresholds):

- Press and hold the **S** button for approximately 5 seconds until the display resets.

Alternatively, a small reset button might be present on the device (refer to Figure 1 for exact location if applicable). Use a thin object (like a paperclip) to press it.

6. MAINTENANCE

- Clean the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- Ensure the device is unplugged before cleaning.
- Store the meter in a cool, dry place when not in use.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Display is blank or not turning on.	No power to the outlet; device not properly plugged in; internal fault.	Check if the wall outlet has power. Ensure the meter is fully inserted. If problem persists, contact support.
Readings seem inaccurate.	Incorrect electricity price set; appliance drawing very low power; internal calibration issue.	Verify the electricity price setting. Ensure the appliance is drawing sufficient power for accurate measurement. Perform a reset.
Alarm constantly triggers.	Alarm thresholds set too low; appliance drawing high power.	Adjust the alarm thresholds to appropriate values for your appliances. Ensure total load does not exceed 3680W.
Buttons are unresponsive.	Temporary software glitch; physical damage.	Unplug the device for a few seconds and plug it back in. If unresponsive, perform a reset. If problem persists, contact support.

8. SPECIFICATIONS

Funzione di memoria:

Il valore impostato e la potenza accumulata verranno memorizzati, quindi non preoccuparti di interruzioni di corrente e scollegamenti.

Figure 7: Physical dimensions of the KETOTEK KTEM02BL IT meter.

Feature	Detail
Brand	KETOTEK
Model	KTEM02BL IT
Plug Type	Italian Plug (Type L)
Display	LCD with Backlight
Color	White
Dimensions (LxWxH)	5.8 x 4 x 11.8 cm (2.3 x 1.6 x 4.6 inches)
Measurement Type	Wattmeter
Max Load Capacity	3680W
Power Source	AC mains (for operation), Internal battery (for memory retention)
Certifications	CE, RoHS
Compatible Devices	Refrigerators, televisions, computers, ovens, coffee machines, printers, Hi-Fi systems, DVDs, dishwashers, microwaves, heating fans, etc.

9. WARRANTY AND SUPPORT

KETOTEK products are manufactured to high-quality standards. For any questions, technical support, or warranty claims, please contact your retailer or the KETOTEK customer service directly. Please retain your proof of purchase for warranty purposes.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question