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## KETOTEK KTEM02FR

# KETOTEK KT-EM02FR Energy Meter Plug Instruction Manual

Model: KT-EM02FR

## 1. INTRODUCTION

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The KETOTEK KT-EM02FR Energy Meter Plug is designed to monitor the electricity consumption of your household appliances. It accurately measures various electrical parameters and helps you understand and manage your energy usage, potentially reducing electricity bills. This device features an LCD display for clear readings and includes multiple protection functions.



## Fonction tout en un

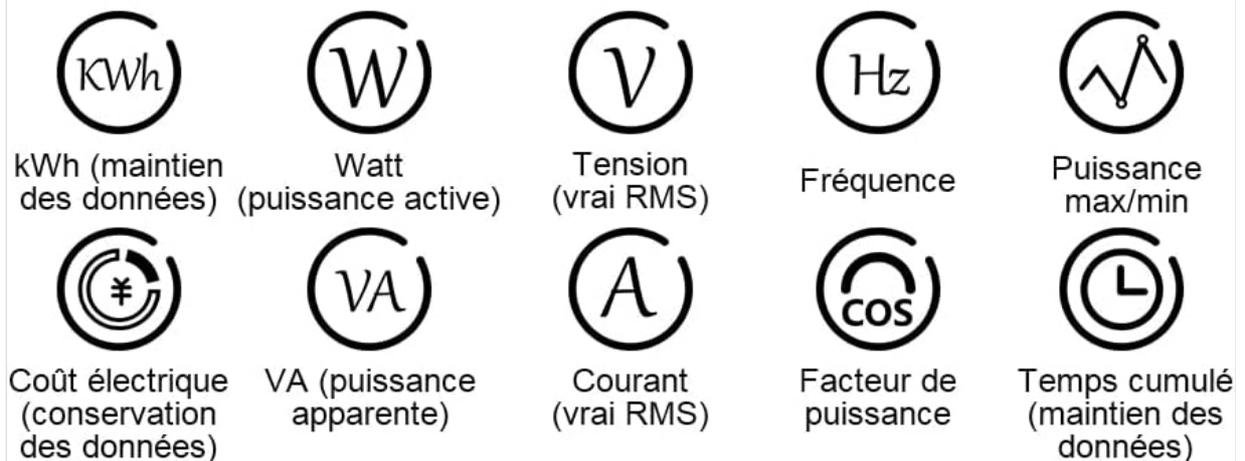


Image 1.1: KETOTEK KT-EM02FR Energy Meter Plug.

## 2. PRODUCT FEATURES

This energy meter offers a comprehensive set of features for effective power monitoring:

- **One-Click Interface Switching:** Easily switch between different display modes to view various parameters.
- **Household Appliance Monitoring:** Measures power consumption of connected devices and calculates electricity costs.
- **Multiple Protection Functions:** Includes overload, KWH alarm, and cost alarm to alert users to excessive usage.
- **Data Storage:** Built-in high-precision chip stores data even during power outages.
- **Reset Function:** Allows clearing accumulated measurement data while retaining settings.
- **Enhanced LCD Display:** Provides wide viewing angles for easy reading of data.

# Visualisez les paramètres en un clic

Les cinq boutons sont marqués avec l'identification des paramètres, qui sont faciles à comprendre et à utiliser.



Image 2.1: Overview of all measurement functions.

## 3. SETUP AND BASIC OPERATION

To begin monitoring, simply insert the KETOTEK energy meter between your appliance and the electrical outlet. The device will automatically start measuring power consumption for appliances operating above 2 watts.

### 3.1 Viewing Parameters

The meter features five buttons for navigating through different display modes:

- Press **M** to display KWH (kilowatt-hours) and electricity cost.
- Press **+** to display Watt (active power) and VA (apparent power).
- Press **OK** to display true RMS voltage ( $V_{rms}$ ) and true RMS current ( $A_{rms}$ ).
- Press **-** to display Hz (frequency) and PF (power factor).
- Press **↻** to display maximum and minimum power.
- Press and hold **OK** for 3 seconds to display the total accumulated time.

## 3 Types de fonction d'alarme

Alarme de coût ✓

Alarme de surcharge (3680w) ✓

Alarme de consommation d'énergie ✓



Image 3.1: Visualizing parameters with one-click button presses.

## 4. ALARM AND PROTECTION FUNCTIONS

The KETOTEK energy meter provides multiple alarm functions to protect your appliances and manage consumption:

- **Overload Protection:** If the load power exceeds the set overload value (maximum 3680W), the LCD will display "Overload" and the LED indicator will flash continuously.
- **KWH Alarm:** If the accumulated energy consumption exceeds the set KWH alarm value, the LCD will display "KWh ALARM" and the LED indicator will flash.
- **Cost Alarm:** If the electricity cost exceeds the set cost alarm value, the LCD will display "COST ALARM" and the LED indicator will flash.

These alarms provide continuous warnings to the user, making it ideal for monitoring household appliance energy consumption.



Image 4.1: Alarm functions for overload, KWH, and cost.

## 4.1 Setting Alarm Values

Refer to the video tutorial below for detailed instructions on setting overload, KWH, and cost alarm values.

Your browser does not support the video tag.

Video 4.1: This video demonstrates how to verify parameters, set overload limits, configure KWH alarms, set cost alarms, clear accumulated data, and perform a factory reset on the KETOTEK energy meter.

## 5. DATA MANAGEMENT

### 5.1 Data Storage

The wattmeter includes an integrated high-precision chip that ensures data is stored even in the event of a power failure. This means your accumulated measurements are retained.

### 5.2 Data Clearing and Reset

The device offers two options for managing data:

- **Clear Accumulated Data:** You can clear the accumulated measurement data (like KWH and cost) while keeping your alarm and cost settings. This is useful when switching the meter to a different appliance.
- **Factory Reset:** A full reset function is available to restore all parameters to their factory default settings.

## 6. DISPLAY AND READABILITY

The KETOTEK energy meter features an enhanced LCD display designed for optimal readability. Its wide viewing angles allow you to read and record data clearly from various positions, eliminating the need to bend down or stand directly in front of the screen.

**Note: This specific model (KT-EM02FR) does not include a backlight.**



Image 6.1: Wide viewing angle of the LCD display.



Image 6.2: The meter's display is clearly visible even when placed near appliances.



Image 6.3: The energy meter can be used with various household appliances.

## 7. SPECIFICATIONS

Specification	Value
Manufacturer	KETOTEK
Product Dimensions (L x W x H)	5.8 x 7.6 x 11.8 cm
Weight	180 grams
Model Reference	KTEM02FR
Color	No Backlight FR Plug
Material	ABS
Power Type	AC
Current Intensity	16 A
Maximum Power	3680 Watt
Display Style	LCD
Electrical Plug Format	Type E - Two round pins with male earth pin (French standard)
Certification	CE
Batteries Included?	No
Batteries Required?	No



Image 7.1: Product dimensions.

## 8. TROUBLESHOOTING

If you encounter any issues with your KETOTEK KT-EM02FR Energy Meter Plug, please refer to the operating instructions and video tutorial for common settings and functions. For persistent problems or technical support, please contact KETOTEK customer service.

## 9. WARRANTY AND SUPPORT

KETOTEK is committed to providing high-quality products. For any questions or support needs, KETOTEK offers 24/7 online support. Please visit the official KETOTEK website or contact their customer service for assistance.