

MECHEER JK-PM07

MECHEER Wattmeter Plug Energy Meter

Model: JK-PM07

User Manual

1. INTRODUCTION

Thank you for choosing the MECHEER Wattmeter Plug Energy Meter. This device is designed to help you monitor the electricity consumption of your appliances, providing detailed information on power usage, voltage, current, frequency, power factor, and associated costs. By understanding your energy consumption, you can make informed decisions to save energy and reduce electricity bills.

This manual provides essential information for the safe and efficient operation of your energy meter. Please read it thoroughly before use and retain it for future reference.

2. SAFETY INFORMATION

- Ensure the device is connected to a standard electrical outlet (230V/50Hz).
- Do not exceed the maximum load capacity of 3680W (16A). Overloading can cause damage to the device and connected appliances, and poses a fire hazard.
- The device is designed for indoor use only. Avoid exposure to moisture, direct sunlight, or extreme temperatures.
- Do not disassemble or attempt to repair the device. Contact qualified personnel for service.
- Keep out of reach of children.

Overload Protection

The wattmeter features an overload protection function. The default overload limit is 3680W. If the power consumption of the connected appliance exceeds this limit, the LCD screen will display "OVERLOAD" and emit an audible beep to alert the user. All buttons on the wattmeter will become inactive. To clear the alarm and restore functionality, either increase the overload setting value or disconnect the overloaded appliance.



Image: Overload Protection Feature

3. PRODUCT OVERVIEW

The MECHEER Wattmeter Plug is constructed from high-quality PC material for durability. It features a clear LCD screen with a white backlight for easy readability in various lighting conditions.

Display Modes

The device offers 8 display modes to monitor various electrical parameters:

1. **Mode 1:** Time, Apparent Power (VA), Active Power (W)
2. **Mode 2:** Time, Cumulative Energy (kWh), Cost
3. **Mode 3:** Time, Voltage (V), Frequency (Hz)
4. **Mode 4:** Time, Current (A), Power Factor
5. **Mode 5:** Time, Minimum Power (W), Maximum Power (W)

6. **Mode 6:** Time, Overload Alarm (W), Cumulative Days
7. **Mode 7:** Time, kWh Alarm Setting
8. **Mode 8:** Time, Electricity Price Setting

8 Anzeigemodi



LCD DISPLAY<1>

Total Time	16:36 min	Kumulative Zeit
	250.6 VA	Scheinbar Leistung
	225.5 W	Aktiv Leistung

LCD DISPLAY<2>

Total Time	16:36 min	Kumulierte elektrische Menge
	0.013 kWh	Elektrizitätsrechnung
	0.07	Cost

LCD DISPLAY<3>

Total Time	16:36 min	Kumulative Zeit
	235.5 V	Spannung
	50 Hz	Frequenz

LCD DISPLAY<4>

Total Time	16:36 min	
	1.064 A	Strom
	0.90	Leistung Factor

LCD DISPLAY<5>

Total Time	16:36 min	Kumulative Zeit
Min	126.3 W	Min Leistung
Max	259.2 W	Max Leistung

LCD DISPLAY<6>

Total Time	16:36 min	Kumulative Zeit
Overload	3680 W	Überlastalarm
	0 Day	Kumulative Zeit-Tag

LCD DISPLAY<7>

Total Time	16:36 min	Kumulative Zeit
	9999 kWh	Kumulierte elektrische Menge Alarm

LCD DISPLAY<8>

Total Time	16:36 min	Kumulative Zeit
	00.60	Preis

Image: Eight Display Modes

4. SETUP

1. **Unpacking:** Carefully remove the wattmeter from its packaging.
2. **Initial Connection:** Plug the wattmeter directly into a standard wall outlet. The LCD screen will illuminate.
3. **Setting Electricity Price:** To accurately calculate costs, you must set the electricity price per kWh.
 - Press the "MODE" button until you reach Mode 8 (Price Setting).
 - Press "SET" to enter the setting mode. The price digits will flash.
 - Use "UP" and "DOWN" buttons to adjust the value.

- Press "SET" again to confirm and move to the next digit.
- Once all digits are set, press "MODE" to exit.

4. **Connect Appliance:** Plug the appliance you wish to monitor into the wattmeter's socket.

5. OPERATING INSTRUCTIONS

Basic Monitoring

Once an appliance is connected and powered on, the wattmeter will begin monitoring its consumption. Press the "MODE" button repeatedly to cycle through the 8 different display modes, viewing parameters such as current power, cumulative energy, voltage, current, and cost.

Suivi clair des coûts électriques

Surveillez la consommation et économisez de l'argent.



Image: Clear Electricity Cost Tracking

Setting kWh Alarm

You can set a cumulative energy consumption limit. When the total consumption reaches this predefined value, the meter will beep, and the "KWH" alarm will flash continuously.

- Press the "MODE" button until you reach Mode 7 (kWh Alarm Setting).
- Press "SET" to enter the setting mode. The kWh alarm digits will flash.
- Use "UP" and "DOWN" buttons to adjust the desired kWh limit.
- Press "SET" again to confirm and move to the next digit.
- Once set, press "MODE" to exit.
- To disable the audible alarm, set a higher kWh limit or reset the limit (note: resetting will clear all settings).



Image: kWh Alarm Setting

Adjusting Backlight Duration

The wattmeter offers 5 backlight duration options. The default duration is 10 minutes (bL-0).

- Simultaneously press the "UP" and "DOWN" buttons to enter the backlight setting mode.
- Use "UP" and "DOWN" to select the desired duration:
 - bL-0 = 10 minutes
 - bL-1 = 1 hour
 - bL-2 = 4 hours
 - bL-3 = 8 hours
 - bL-4 = Always On
- Press "SET" to save the backlight settings.
- You can also manually turn the backlight on/off by pressing the "DOWN" button.

Lecture facile

Écran LCD clair avec rétroéclairage pour une lecture et une utilisation aisées dans l'obscurité. Appuyez sur le bouton "DOWN" pour activer/désactiver manuellement la lumière de rétroéclairage.



Image: Easy Reading with Backlight

Data Memory Function

The energy meter will save your energy consumption data even when removed from the outlet or when appliances are disconnected. All setting data and cumulative data (electricity quantity, cost, unit price) will be preserved. This allows you to view the latest data directly the next time you use the meter. This function also automatically saves data in case of a sudden power outage.

Mémoire de données

Conserve les données lors du débranchement.



Image: Data Memory Feature

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 wattmeter in a cool, dry place when not in use.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Display is blank	No power to the outlet; device not properly plugged in.	Check the wall outlet with another device. Ensure the wattmeter is fully inserted into the outlet.
"OVERLOAD" alarm displayed	Connected appliance exceeds the set power limit (default 3680W).	Disconnect the appliance. Reduce the load or adjust the overload setting if appropriate for the circuit.
"KWH" alarm flashing	Cumulative energy consumption has reached the set kWh alarm limit.	Acknowledge the alarm. Reset the kWh alarm limit or set a higher limit if desired.
Incorrect cost calculation	Electricity price per kWh is set incorrectly.	Refer to Section 4, "Setting Electricity Price," to adjust the unit cost.
Backlight not working or always off/on	Backlight duration setting is incorrect.	Refer to Section 5, "Adjusting Backlight Duration," to change the setting.

8. SPECIFICATIONS

Parameter	Value
Operating Voltage	230 V / 50 Hz
Power Display Range	0 W - 3680 W
Operating Current	Max 16 A
Total Power Display	0.0 kWh - 9999 kWh
Total Cost Display	0.0 € - 9999 €
Voltage Accuracy	±1%
Current Accuracy	±2%
Power Accuracy	±2%
Electricity Cost Setting Range	00.00 €/kWh - 99.99 €/kWh
Dimensions (L x W x H)	21 x 13 x 3.8 cm
Compatible Devices	Any standard electrical appliance
Model	JK-PM07

Dimensions du produit

SPÉCIFICATIONS

Tension d'utilisation 230 V/50 HZ

Plage d'affichage de puissance 0 W-3680 W

Courant de fonctionnement Max 16 A

Affichage de puissance totale 0,0 kWh-9999 kWh

Affichage du coût total 0,0 €-9999 €

Précision de tension $\pm 1\%$

Précision de courant $\pm 2\%$

Précision de puissance $\pm 2\%$

Plage de réglage du coût électrique 00,00 €/kWh
-99,99 €/kWh



Image: Product Dimensions and Specifications

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the product packaging or contact MECHEER customer service directly. You may also visit the official MECHEER website for the most up-to-date support resources.

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