

Qoltec[®]



INSTRUCTION MANUAL

CURRENT CONSUMPTION METER

PM0626

EN

MODEL : 50626

INTRODUCTION

Thank you for your trust and for choosing the Qoltec power consumption meter.

We are confident that the product will meet your expectations. This manual will guide you through the installation and use of the device. It contains important safety instructions for handling and correct installation. If you have any questions after reading the manual, please contact Customer Service.

ABOUT THE PRODUCT

The meter is a monitoring and testing instrument that determines the energy consumption of a connected appliance and the cost of the electricity consumed.

Product advantages include:

- Built-in 3.6V battery,
- Large and easy to read LCD display with backlighting,
- Easy measurement and monitoring of energy consumption parameters,
- Simple setting of the electricity price,
- 7 parameter display modes (time, power, cost, voltage, current, etc.),
- Overload protection function,
- Resettable in case of malfunction,
- Simple installation - simply plug the meter directly into the socket.

BATTERY INSTALLATION

Built-in 3.6V (Ni-MH) rechargeable batteries are used to store total electrical energy and memory settings.

RESETTING

If the display shows an incorrect message or the buttons do not respond, reset the unit by pressing the RESET button.

DISPLAY MODE

The entire LCD display can be illuminated for approximately 1 minute and then automatically switches to mode 1.

To switch between modes, press the FUNCTION button.

Mode 1: Time / power / cost display

- **Time** shows how long the unit has been connected to the power source:
The first line shows the time in MM:SS format, followed by HH:MM after 10 minutes.
After 24 hours, the counter resets and counts again.
- *Second line*: current power: 0.0W - 9999W.
- *Third line*: current cost from 0.0 to 9999.
The cost value remains 0.00 until the unit price is set.

Mode 2: Time / accumulated energy quantity

- *First line*: connection time as in mode 1.
- *Second line*: accumulated energy: 0,000 kWh - 9999 kWh.
- *Third line*: "DAY" - "1" appears in the numerical part, indicating the accumulated consumption for one day (24h).
Up to 9999 days can be counted.

Mode 3: Time / voltage / frequency

- *First line*: time as in mode 1.
- *Second line*: supply voltage: 0.0V - 9999V.
- *Third line*: frequency: 0.0Hz - 9999Hz.

Mode 4: Time / current / power factor

- *First line*: time as in mode 1.

- *Second line:* load current: 0.000A - 9999A.
- *Third line:* power factor: 0.00PF - 1.00PF.

Mode 5: Time / minimum power

- *First line:* time as in mode 1.
- *Second line:* minimum power: 0.0W - 9999W.
- *Third line:* "Lo" (no other digits).

Mode 6: Time / maximum power

- *First line:* time as in mode 1.
- *Second line:* maximum power: 0.0W - 9999W.
- *Third line:* "Hi" (no other digits).

Mode 7: Time / price

- *First line:* time as in mode 1.
- *Third line:* price between 0.00 COST/kWh and 99.99 COST/kWh.
(No other data)

OVERLOAD DISPLAY

When the load connected to the socket exceeds 3680W, the second line of the LCD display will show "OVERLOAD" and a warning sound (optional) will sound, alerting the user.

SUPPLEMENTARY INFORMATION

1. In addition to the "OVERLOAD" mode, the first line of the LCD repeats time cyclically every 24 hours.
2. Mode 7 can be activated directly by pressing the "COST" button.
3. The "UP" and "DOWN" buttons do not function in the OVERLOAD mode.

SETTING MODE - SETTING THE ENERGY PRICE

- Hold down the "COST" button for more than 3 seconds.
- A default value will appear on the third line, e.g. 0.00 COST/kWh.
- The digit after the decimal point flashes - the unit has entered setting mode.
- Press FUNCTION to move to the next digit.
- Press UP/DOWN to increase or decrease the value:
 - One press changes the digit by 1.
 - Holding down the button makes the change faster - after 2 sec the digits change quickly.
 - After 10 sec the digits after the decimal point stop changing and the digits before the decimal point start changing.
- Setting range: 00.00 - 99.99 COST/kWh.
- Once the value has been set, press "COST" to return to mode 7.
If you do not press anything, the unit will automatically return to mode 7 after a while.

TECHNICAL SPECIFICATIONS

Operating voltage :	230V
Operating current :	16A max
Wide voltage range :	220VAC-240VAC
Power :	3680W
Time display range :	0 seconds-999 days
Power display (W) :	0W-3680W
Voltage display range :	0V-9999V
Current display (amps) :	0.0A-16.0A
Frequency display :	50-60Hz
Price display range:	0.00COST / kWh, 0.00COST-9999COST
Power consumption of the power meter monitor:	0.5W
Device dimensions :	73x157mm

SAFETY INSTRUCTIONS

To ensure safe and correct use of the device, the following rules must be strictly observed:

1. Do not use the device in high humidity conditions or in areas exposed to water - this may cause an electric shock or damage to the meter.
2. Do not open the housing of the device. There are components inside that are not designed to be repaired by yourself. Attempting to open them may lead to electric shock and void the warranty.
3. Do not connect devices that exceed the permissible load of the meter (max. 3680 W / 16 A). Exceeding this value may cause an overload and damage to the meter.
4. Do not use the meter with a damaged power cable, socket or housing. In the event of visible damage, discontinue use immediately.
5. Ensure that the socket to which you are connecting the meter is operational and earthed.
6. Protect the device from direct sunlight and extreme temperatures. Operating temperature range: 0°C to +40°C.
7. Do not use the device near flammable liquids, gases or dust.
8. Do not allow children or untrained persons to operate the meter without supervision.
9. It is advisable to check the device's technical condition periodically. If you suspect a malfunction - contact an authorised service centre.
10. Keep the device clean. Use a dry, soft cloth for cleaning. Do not use chemicals or water.

DISPOSAL

1. Dispose of in accordance with local electronic waste regulations.
2. Do not throw into fire or incinerate.

WARRANTY

Product covered by a 24 month manufacturer's warranty from the date of purchase. In case of problems, please contact customer service.

