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› NGDOLAOV KWE-PMB05 Digital Power Meter User Manual

NGDOLAOV KWE-PMB05

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User Instruction Manual

1. INTRODUCTION

The NGDOLAOV KWE-PMB05 Digital Power Meter is a versatile device designed to measure and monitor various electrical parameters of connected appliances. It provides real-time data for voltage, current, power, energy consumption, and accumulated usage time. This manual provides essential information for the safe and efficient operation of your power meter.

2. PRODUCT OVERVIEW

Familiarize yourself with the components and display elements of your NGDOLAOV KWE-PMB05 Digital Power Meter.



Figure 1: Front view of the NGDOLAOV KWE-PMB05 Digital Power Meter. The device measures approximately 6.5 cm in width and 13 cm in height. The display shows sections for accumulated usage time, power/electricity/voltage/current, and electricity charge. Control buttons are labeled 'FVNC.', 'COST', 'UP', and 'DOWN'.

Product introduction



POWER METER



Figure 2: Close-up view of the power meter's digital display, illustrating the readouts for accumulated usage time (0:00), power/electricity/voltage/current (0.000 KWh), and electricity charge (0.00 COST).

Display Elements:

- **Accumulated Usage Time:** Displays the total duration the device has been actively monitoring.
- **Power, Electricity, Voltage, Current Display:** Shows real-time measurements for these electrical parameters. The specific parameter displayed depends on the selected function.
- **Electricity Charge Display:** Indicates the calculated cost based on the accumulated energy consumption and the configured cost per kilowatt-hour (KWh).

Control Buttons:

- **FVNC. (Function):** Cycles through different measurement displays.
- **COST:** Used to view or set the electricity cost per KWh.
- **UP:** Navigates menus or increases values during settings.
- **DOWN:** Navigates menus or decreases values during settings.

3. SETUP INSTRUCTIONS

1. **Plug In:** Insert the NGDOLAOV KWE-PMB05 Digital Power Meter into a standard wall socket. Ensure

the socket type (FR plug for this model) and voltage (230V 50Hz) are compatible with the device.

2. **Connect Appliance:** Plug the appliance you wish to monitor into the socket located on the front of the power meter.
3. **Power On:** The device will automatically power on and begin displaying real-time electrical data.

4. OPERATING INSTRUCTIONS

4.1. Viewing Measurements

- Press the **FVNC.** button repeatedly to cycle through various display modes, including:
 - Voltage (V)
 - Current (A)
 - Wattage (W)
 - Frequency (Hz)
 - Accumulated Energy (KWh)
 - Accumulated Usage Time (Hours:Minutes)
 - Minimum Wattage (Min W)
 - Maximum Wattage (Max W)

4.2. Setting Electricity Cost

1. Press the **COST** button to view the current cost per KWh.
2. To set or adjust the cost, press and hold the **COST** button until the cost value starts flashing.
3. Use the **UP** and **DOWN** buttons to adjust the cost per KWh.
4. Press the **COST** button again to confirm and save the setting.

4.3. Resetting Data

To clear all accumulated data (usage time, energy consumption, and cost), refer to the device's specific reset procedure, which typically involves pressing and holding a combination of buttons or a dedicated reset button (if available). Consult the full product manual for detailed instructions if this feature is required.

5. MAINTENANCE

- Keep the device clean and dry. Use a soft, dry cloth for cleaning.
- Avoid exposing the power meter to extreme temperatures, direct sunlight, or high humidity.
- Do not attempt to open or repair the device yourself. Refer to qualified service personnel for any repairs.
- Unplug the device from the wall socket when not in use for extended periods.

6. TROUBLESHOOTING

- **No Display:**
 - Ensure the device is securely plugged into a live wall socket.
 - Test the wall socket with another appliance to confirm it is supplying power.

- **Incorrect Readings:**

- Verify that the connected appliance is within the meter's specified operating ranges (e.g., maximum current 16A, maximum wattage 3680W).
- If readings appear consistently inaccurate, the device may require service.

- **Buttons Unresponsive:**

- Unplug the device from the wall socket, wait approximately 10 seconds, and then plug it back in to perform a soft reset.

7. SPECIFICATIONS

Model	KWE-PMB05
Working Voltage	230V 50Hz (for FR, EU, UK, AU plugs)
Maximum Working Current	16A
Wide Voltage Range	230V - 250V
Timing Display Range	0 seconds - 9999 days
Wattage Display (W)	0W - 3680W
Voltage Display Range	0V - 9999V
Current Display (A)	0.0A - 16.0A
Frequency Display	0Hz - 9999Hz
Total Electricity & Cost Display	0.000KWh - 9999KWh
Product Dimensions	62mm x 76mm x 129mm (approx. 130mm x 65mm x 82mm)
Working Temperature	-10°C to 60°C
Accuracy Level	+/-2%
Phase	Single phase
Power Supply	AC
Display Type	Numbers only

8. WARRANTY AND SUPPORT

For warranty information, technical assistance, or customer support regarding your NGDOLAOV KWE-PMB05 Digital Power Meter, please refer to the contact details provided with your purchase documentation or visit the official NGDOLAOV website.

- **Model:** KWE-PMB05
- **Manufacturer:** NGDOLAOV

