

240v Power Usage Metre & Power Costs Monitor

User Manual

PWR3103

This power meter is a monitoring and testing instrument which determines the power consumption of a connected appliance and the cost of the electricity being consumed.

RESETTING

If an abnormal display appears and/or the buttons become unresponsive, the instrument must be reset. To do this, press the RESET button.

DISPLAY MODE

The LCD will display for approximately 1 minute, then it will automatically go into Mode 1. To transfer from one mode to another, press the FUNCTION button.

MODE 1: Time/Watt/Cost Display

The LCD will display a first line in the format of 00:00, with the first two figures representing minutes and the last two figures representing seconds. After 60 minutes, it will return back to 00:00 again, with the first two figures representing hours and the last two figures representing minutes.

The LCD will display the current power on the second line, which ranges from 0.0W ~ 9999W.

The LCD will display the current electricity costs on the third line which ranges from 0.0 ~ 9999.

MODE 2: Time/Cumulative Electrical Quantity Display

The LCD will display a first line in the format of 00:00, with the first two figures representing minutes and the last two figures representing seconds. After 60 minutes, it will return back to 00:00 again, with the first two figures representing hours and the last two figures representing minutes.

The LCD will display the current cumulative electrical quantity on the second line, which ranges from 0.000KWH ~ 9999KWH.

The LCD third line will display "DAY"-- "1" will be shown on the numerical section, which means it has cumulated electrical quantity for 1 day. The maximum cumulative time is 9999 days.

MODE 4: Time/Voltage/Frequency Display

The LCD will display the same as mode 1 on the first line.

The LCD second line displays the current voltage supply (v) which ranges from 0.0V ~9999V.

The LCD third line displays current frequency (Hz) which ranges from 0.0Hz ~ 9999Hz.

MODE 4: Time/Current/Power Factor Display

The LCD will display the same as mode 1 on the first line.

The LCD second line displays the load current which ranges from 0.0000A ~ 9999A.

The LCD third line displays the current power factor which ranges from 0.00PF ~ 1.00PF.

MODE 5: Time/Minimum Power Display

The LCD will display the same as mode 1 on the first line.

The LCD second line displays the minimum power which ranges from 0.0W ~ 9999W.

The LCD third line displays the character "Lo" without any other figures.

MODE 6: Time/Maximum Power Display

The LCD will display the same as mode 1 on the first line.

The LCD second line displays the maximum power which ranges from 0.0W ~ 9999W.

The LCD third line displays the character "Hi" without any other figures.

MODE 7: Time/Price Display

The LCD will display the same as mode 1 on the first line.

The LCD third line displays the cost which ranges from 0.00COST/KWH ~ 99.99COST/KWH.

OVERLOAD DISPLAY

When the power socket connects to a load over 3680W, the LCD second line will display OVERLOAD and a warning tone will sound.

SUPPLEMENTAL INFORMATION

- Mode 7 will occur directly when the user presses the "cost" button down.
- "Up" and "Down" have no function under anything other than the setting mode.

ELECTRICITY PRICE SETTING MODE

After pressing the COST button down for 3 seconds, the display will begin moving up and down, which means the device is in setting mode. Press the FUNCTION button to change the selection and UP/DOWN to set what you want. (One pressing once, the decimal point will increase or decrease slowly by steps, whereas if you hold the button down for 2 seconds or more the amount will increase or decrease quickly.)

After setting, press the FUNCTION key and then UP/DOWN to set the value which ranges from 00.00COST/KWH ~ 99.99COST/KWH.

After setting the above, press COST to return to mode 7. Alternately the unit will return to Mode 7 if nothing is pressed for a time.

TECHNICAL SPECIFICATIONS

Operating Voltage: 240V, 50Hz

Operating Current: Max 10A

Wide Voltage Range: 150V to 240V