

# Power Meter

## User Manual

The power meter is a monitoring and testing device for measuring power consumption of a connected appliance and the cost of the electricity consumed.

### Display Modes

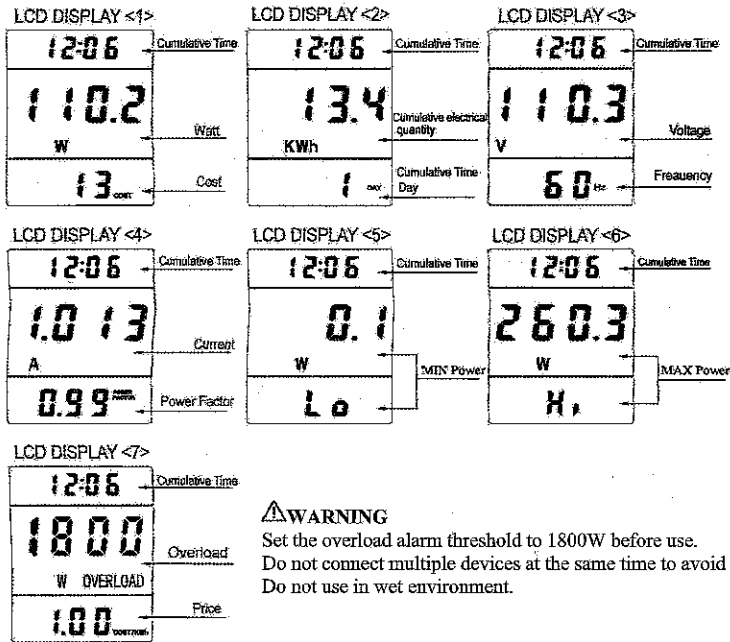
1. There are 7 display modes to show different data measured. Please press FUNCTION button to switch between different modes(from LCD DISPLAY<1> to LCD DISPLAY<7>).

2. The first line shows the cumulative time: The duration of how long the device is measured.

**Within the first 60 minutes:** the time is showed as minutes and seconds, e.g. 12:06 means 12 minutes and 6 seconds;

**Over 60 minutes:** the time is showed as hours and minutes, e.g. 12:06 means 12 hours and 6 minutes;

**Over 24 hours(cycle repeated):** the time is counted from 0:00 again, while 1 day is added on Display 2 (check the third line on Display 2).



### ⚠WARNING

Set the overload alarm threshold to 1800W before use.  
Do not connect multiple devices at the same time to avoid overload use.  
Do not use in wet environment.

### Electricity Price Settings

1. Press and hold the COST button for 3 seconds to enter setting mode. (The "COST/kWh" in the lower right corner of the third line flashes)

2. Press the FUNCTION button to select the locations, and press UP/DOWN button to set the numbers.

3. Press COST button to save the price settings.

(The price and the cost is consistent in any monetary unit you want. E.g., price is 30 cents per kWh, electricity consumption is 10 kWh, then cost is 300 cents; Price is \$0.3 per kWh, electricity consumption is 10 kWh, then cost is \$3.)



## Overload Settings

The default overload threshold is 3680W. Please change it to 1800W.

1. Press the **FUNCTION** button for more than 3 seconds to enter the setting mode.
2. Press the **FUNCTION** button to select the locations, and press **UP/DOWN** button to set the digits to 1800.
3. Press the **COST** button to save the overload settings.

## Overload Display

The default overload threshold is 3680W.

Once the loading power is over threshold, the word "OVERLOAD" will flash all the time. Please turn off the appliance for safety concern.

**NOTE:** The word "OVERLOAD" displayed on Display 7 without flashes does not mean that power is overloaded. Only when the word "OVERLOAD" keeps flashing, does it mean power is overloaded.

## Memory Function

When power off, all setting data and cumulative data(Electricity quantity, cost, unit price, time) will be saved. The data will be displayed again when power on.(NOT including current, voltage, power, power factors)

## Data Clear (cumulative data only)

Press and hold the **"FUNCTION"** button and **"UP"** button at the same time to clear all cumulative data(kWh data, cost data and total time data), NOT including price, overload settings and backlight time.

## Reset Function (if power meter is blank or crashes, please reset the power meter)

Two ways to reset the power meter. After rest, all data will be clear to factory settings.

1. Disconnect the power meter from the power supply and connect it again to reset it.
2. Use the included reset tool to press the reset button in the small hole. **DO NOT** press with a needle to avoid the button getting stuck in the hole.



## Time will NOT be measured and counted when:

1. The measured device is in standby or not working;
  2. The rated power of the measured device is lower than 0.5 watt.
- E.g., even a refrigerator has been plugged in for 24 hours, the time displayed may be only 5 hours. This is because the compressor of the refrigerator only works for 5 hours. (Compressor stops working when the desired temperature has been reached.)

In this way you know the actual working time of your device.

**NOTE:** Time is not counted when power is lower than 0.5 watt, but energy consumption is always measured since the device was plugged in.

## Backlight Adjustment (No backlight version does not have this function)

Backlight only lights up when the device is connected to AC power.

1. Default backlight time duration: 10 minutes (bL-0). If no button is pressed, the backlight turns off automatically after the backlight time expires.
2. Press and hold **"UP"** button and **"DOWN"** button at the same time to enter backlight time setting. Now "bL-0" is displayed on the LCD and flashes for 10 seconds.
3. Press **"UP"** or **"DOWN"** button to set the backlight lighting time. (bL-0 = 10 minutes, bL-1 = 1 hour, bL-2 = 4 hours, bL-3 = 8 hours, bL-4 = always on.)
4. Press **"COST"** to save the backlight time settings.
5. Press **"DOWN"** button to turn off the backlight manually.
6. Press any button to turn on backlight again.

US Type:15A 120V~, Max.1800W.

