This power meter measures energy use and calculates the running costs of household appliances. This helps you to reduce your electricity bill and reduce carbon emissions. It lets you know which appliances are the worst energy-guzzling offenders so that you can work out ways to limit their use.

Please read the following instructions carefully before connecting electrical appliances to the meter.

WARNING!
Do not plug two or more meters together!
Indoor use only!

Ensure you position the power meter so that it can easily be disconnected from the mains.

The power meter measures the amount of power from up to 5 controlled sockets.

IMPORTANT
Always ensure the plug of any appliance is fully inserted into the plugs in the meter. If the meter requires cleaning, remove from the mains power and wipe the meter with a dry cloth.

LCD POWER METER FUNCTIONS:
1. MASTER CLEAR: Clears all data in the memory including current time and all programs
2. UP: Set current time, price, price programs, maximum overload current. Use with SET button to change between 12 / 24 hour mode when the clock is being displayed.
3. SET: Set current time, price, price programs, maximum overload in conjunction with the UP button.
4. FUNC: Change between the different modes on the display.

GENERAL FEATURES:
1. Display current clock.
2. Display line voltage.
3. Display line current.
4. Display line power.
5. Display and memory peak line power.
6. Display and memory accumulative total electricity usage.
7. Display and memory total on time and total electricity cost.
8. Display and memory total on time and total electricity cost at price tariff 1.
9. Display and memory total on time and total electricity cost at price tariff 2.
10. Display line frequency.
11. Display power factor.
12. Adjust the maximum overload current and maximum overload warning settings.
13. Adjust the price / kWh
14. Set combinations of days or blocks of days as follows:

BATTERY
A rechargeable battery is included to save data when the meter is not connected to the mains.

THE LCD DATA DISPLAY:
Press the FUNC button to display the following data:
VOLTac → AMP → WATT → MAX WATT → kWh → CO2 → TOTAL PRICE → TOTAL ON TIME → PRICE1 ON TIME → PRICE2 ON TIME → VOLT

1. On first use (or on switching on after replacing the battery), The meter will display current time, line voltage and frequency
2. Press FUNC button once and release, the meter will display current time, line current and power factor
3. Press FUNC button once again and release, the meter will display current time, real power and power factor
4. Press FUNC button once again and release, the meter will display max. line power and the amount of time spent in this status.
Press and hold FUNC button for 5 seconds to clear max. line power display in this mode.
5. Press FUNC button once again and release, the meter will display current clock and accumulative power factor.
6. Press FUNC button once again and release, the meter will display current clock, accumulative CO2 discharge and power factor.
7. Press FUNC button once again and release, the meter will display total usage time and total electricity cost.
8. Press FUNC button once again and release, the meter will display total usage time at price 1 and total electricity cost at price 1.
9. Press FUNC button once again and release, the meter will display total usage time at price 2 and total electricity cost at price 2.
10. Press and hold FUNC button for 5 seconds to clear accumulative total electricity usage and total electricity cost while displaying total cost and usagemode or total electricity cost at either price 1 or price 2.

SETTING CURRENT CLOCK
1. Press FUNC button until the CLOCK displays on the LCD.
2. Press SET button once: the “WEEK DAY” will flash, (if the clock changes to SET mode, you can set the current time).
3. Press UP button to set the “WEEK DAY”.
4. Press SET button once again and release: the “HOUR” will flash (the “WEEK DAY” will stop flashing but remain on the display).
5. Press UP button to set the “HOUR”.
6. Press SET button once again and release: the “MINUTE” will flash (the “HOUR” will stop flashing but remain on the display).
7. Press UP button to set the “MINUTE”.
8. Press SET button once time again and release: the time will return to CLOCK display mode.
9. Press UP button when the CLOCK is displayed to change between 12/24 hour mode. To reset the time, repeat the above steps.

Now plug the meter into a normal 230/240V mains socket, plug in an appliance that you want to use and turn the mains power on.

The meter will begin to measure the consumption of the appliance and inform you which equipment uses too much electricity.

SETTING PRICE OF COST/kWh & OVER LOAD CURRENT
Press and hold FUNC button for 5 seconds while the LCD is displaying voltage, current or power mode.

1. Setting price 1:
   a. Press SET button once and release: SET display, the first digital COST/kWh flash, press UP button to set it.
   b. Press SET button once again and release: the second digital COST/kWh flash, press UP button to set it.
   c. Press SET button once again and release: the third COST/kWh flash, press UP button to set it.
   d. Press SET button once again and release: the fourth COST/kWh flash, press UP button to set it.
   e. Press SET button once again and release: the decimal point on the COST/kWh flash, press UP button to set it.
   f. Press SET button once again and release: the weekday will flash, press UP button to set it.
   g. Press SET button once again and release: the hour of ON TIME will flash, press UP button to set it.
   h. Press SET button once again and release: the minute of ON TIME will flash, press UP button to set it.

2. Setting price 2:
   Press FUNC button once and release after finishing setting price 1. To set price 2, repeat the above steps.

3. Setting OVER LOAD current data:
   Press FUNC button once and release after finishing setting price 2.
   a. Press SET button once and release: SET & AMP show on the display, the first digital MAX. LOAD flashes, press UP button to set it.
   b. Press SET button once again and release: the second digital MAX. LOAD flashes, press UP button to set it.
   c. Press SET button once again and release: the third MAX. LOAD flashes, press UP button to set it.
   d. Press SET button once again and release: the fourth MAX. LOAD flashes, press UP button to set it.

The OVER LOAD WARNING will flash when the load exceeds the set data. The buttons will not work if this happens. You must unplug the appliance or set the OVER LOAD data again.

STAND BY MODE:
The LCD will turn off once the meter has been unplugged from the mains for 10 seconds. Press any key to switch it back on again.

SPECIFICATIONS:
- Power supply: AC 240 V 50Hz
- Maximum load: 13A / 3120W
- Voltage range: AC 200 - 276 V
- Voltage accuracy +/-1.5%
- Current range: 0.001 - 16A
- Current accuracy: +/-0.5%
- Power range: 0.1 - 3680W
- Power accuracy: +/-0.5%
- Voltage range: AC 200 - 276 V
- Voltage accuracy: +/-1.5%
- Clock accuracy: +/- 1 minute per month
- Battery: 3.6V NiMH rechargeable battery
- Frequency range: 45 - 65Hz
- Power cost: <0.5W
- Accumulative electricity usage range: 0 -9999.9kWh
- Battery: 3.6V NiMH rechargeable battery
- Operating temperature: -10°C to +40°C
- Clock accuracy: +/- 1 minute per month
- Battery: 3.6V NiMH rechargeable battery

WEEE Directive & Product Disposal
At the end of its serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment, or returned to the supplier for disposal.

Internal / Supplied Batteries
- This symbol on the battery indicates that the battery is to be collected separately.
- This battery is designed for separate collection at an appropriate collection point.