



# Instruction Manual

## Power Strip with Energy and CO2 Meter

Order Code: N35HN

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:

- MASTER CLEAR:** Clears all data in the memory including current time and all programs
- 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.
- SET:** Set current time, price, price programs, maximum overload in conjunction with the UP button.
- FUNC:** Change between the different modes on the display.

### GENERAL FEATURES:

- Display current clock.
- Display line voltage.
- Display line current.
- Display line power.
- Display and memory peak line power.
- Display and memory accumulative total electricity usage.
- Display and memory total on time and total electricity cost,.
- Display and memory total on time and total electricity cost at price tariff 1.
- Display and memory total on time and total electricity cost at price tariff 2.
- Display line frequency.
- Display power factor.
- Adjust the maximum overload current and maximum overload warning settings.
- Adjust the price / kWh
- Set combinations of days or blocks of days as follows:  
MO/ TU/ WE/ TH/ FR/ SA/ SU/ MO,TU,WE,TH,FR/ MO,TU,WE,TH,FR,SA/ SA,SU/ MO,TU,WE,TH,FR,SA,SU.

### 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:

**VOLT**ac→**AMP**→**WATT**→**MAX WATT**→**KWh**→**CO2**→**TOTAL PRICE**; **TOTAL ON TIME**→**PRICE1 ON TIME**→**PRICE2 ON TIME**→**VOLT**

- On first use (or on switching on after replacing the battery), The meter will display current time, line voltage and frequency
- Press **FUNC** button once and release, the meter will display current time, line current and power factor
- Press **FUNC** button once again and release, the meter will display current time, real power and power factor
- Press **FUNC** button once again and release, the meter will display max. line power and the amount of time spent in this status.

客户	MP	尺寸	A4	设计	夏平	日期	09.11.25
名称	说明书	材质	70g双胶纸	审核		日期	
型号	KEZ02S-05	版本	A 0	核准		日期	

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
11. LCD display ----should your total electric usage in either units or cost exceed the maximum settings, the word **OVER** will flash

#### **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 "**HOURL**" will flash (the "**WEEK DAY**" will stop flashing but remain on the display)
  5. Press **UP** button to set the "**HOURL**"
  6. Press **SET** button once again and release: the "**MINUTE**" will flash (the "**HOURL**" 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

Voltage range: AC 200 - 276 V

Ccurrent range: 0.001 - 16A

Power range: 0.1 - 3680W

Accumulative electricity usage range: 0 -9999.9kWh

Clock accuracy: +/- 1 minute per month

Operating temperature: -10 °C to +40 °C

Maximum load: 13A / 3120W

Voltage accuracy +/-1.5%

Current accuracy: +/-0.5%

Power accuracy: +/-0.5%

Frequency range: 45 - 65Hz

Power cost: <0.5W

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.

