

HIGH-POWER MONITOR

User Manual



English and Deutsche
Language



ENGLISH

INTRODUCTION

This product adopts the microcomputer chip with high integration and specialized chip for energy metering, along with current sensor and LCD display with high precision, to achieve a comprehensive monitoring of electrical equipment, can be used to monitor the air conditioners, refrigerators and microwave ovens and other household appliances, measuring instruments can also be used as a teaching, but also suitable for families, rental housing, office, laboratory environment.

SAFETY INSTRUCTION

1. Plug the product into power supply socket, and electrical appliances into the product to measure parameters of electrical appliances.
2. Before using the product, check to see if there is crack or short of plastic parts on the shell, especially the insulation point around the joint. Please do not use the product if it is damaged.
3. Return the product to the company for repair if it can not work normally.
4. **DO NOT** use the product near explosive gas, steam or dust and put the product in the place which is humid or with water.
5. **DO NOT** open up the product at will, nor check by dissembling the machine with electricity.

FEATURES

- Monitoring the present active power
- Monitoring the present voltage/current/frequency
- Record powering time
- Record power consumed
- Calculate CO₂ emission volume.
- Power factor pick-up
- Setting overload threshold
- Backlight function
- Large LCD display

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OPERATING INSTRUCTION

1. Plug the unit into the power socket then connect the household appliance with the unit.

2. **POW/WATT/PF/VOLT/CUR/CT/ FREQ/CO₂** will be displayed on the LCD. The active power value will be displayed on the LCD after turning on.

3. KEY OPERATION:

Press **▲** key the WATT/CUR/VOLT/FREQ/CT/EC/ CO₂ /PF will be displayed on the LCD in sequence. Press **▼** key the above value will be displayed in a reversal order.

4. BACKLIGHT FUNCTION:

Under the interface of Current, press the **SET** key for 2 seconds to enter into backlight setup mode with LED appearing on LCD and ON and OFF icons flash and press Up or Down key to select ON or OFF, and press OK key to exit the set up. If the OFF is selected then the backlight will be turned off automatically if there is no operation on the key within 10 seconds (default factory setting). If ON is selected the backlight will be on long time.

5. OVERLOAD ALARM AND OVERLOAD THRESHOLD SETTING.

a. Overload alarm:

When the measured device has its watts setting over the preset threshold the backlight flashes; when the watts gets down and below the preset value, the backlight stop flashing.

b. Overload threshold setting:

Switch the LCD display to WATT interface, then press SET key for 2 seconds to enter into overload setting interface and XXXXW appears on LCD while the first X on the left flashes. Pressing the **▲** key or **▼** key to adjust the setting value, and press OK key to confirm the set. And the 4 settings will be done from the left to right in order, and LCD displays the WATT option again after these settings done. The high threshold can not be set over 3520W, otherwise the LCD will display err. It flashes 4 times to return to the overload setting.

6. TIME CLEARANCE:

Switch to the CT interface and hold the SET key for 2 seconds to enter into the said interface. Press OK key to confirm clearance operation. Then LCD returns to the CT interface.

7. POWER CONSUMED CLEARANCE:

Switch to the EC interface and hold the SET key for 2 seconds to enter into the said interface. Press OK key to confirm clearance operation, then LCD returns to the EC interface.

Note: 0.555kg CO₂ may be generated from 1 KWH power consumption

LCD DISPLAY AND KEYS



There are four keys in total on the product, which is as shown in the image.

TECHNICAL PARAMETERS

Standard	BC17215-2003
Working voltage range	50V~260V
Power applied:	220V 50Hz Max 16A (Less than 3520W)
Backlight function	ON/OFF can be set
Precision	Level 1.0
Constant	6400imp/kWh
Power consumed	<1W
Operating temperature	0~45°C
Storage temperature	-20~60°C

Special Declaration:

Our company reserves the right to modify the product design and the instruction. We will not give further notice for any changes!