



MMP 10

Micro Power Monitor

Instruction Manual



Disclaimer

The manufacturer assumes no responsibility for any consequences resulting from the use or misuse of this product. Product specifications and manual content are subject to change without prior notice.

Part Number: 7603251
GTIN: 6298043998376



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Introduction

Marmonix MMP 10 uses a highly integrated microcomputer chip and a dedicated energy-metering IC, combined with a precision current sensor and high-accuracy LCD, to deliver comprehensive electrical-equipment monitoring. It supports air conditioners, refrigerators, microwave ovens, and other household appliances, and functions as a measurement tool for teaching, while also being suitable for families, rental units, offices, and laboratory environments.

Features

1. Standard: BC17215-2003
 2. Power applied: 220V 50Hz Max 16A (Less than 3520W)
 3. Precision: 1.0
 4. Constant: 6400imp/kWh
 5. Power consumed: <1W
 6. Operating temperature: 0 - 45°C
 7. Storage temperature: -20 - 60°C
 8. Monitoring the present active power
 9. Monitoring the present voltage/current/frequency
 10. Record powering time
 11. Record power consumed
 12. Calculating the CO₂ emission volume
 13. Power factor pick-up
 14. Setting overload threshold
 15. Backlight function
 16. Large LCD display
- Note: 0.555 kg of CO₂ is produced per 1 kWh of power consumption.

Instructions

1. Connecting the device: Plug the unit into the power socket, then connect the household appliance to 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 the key to display WATT, CUR, VOLT, FREQ, CT, EC, CO₂, and PF sequentially on the LCD. Press the key again to view these values in reverse order.

4. Backlight function: In the Current interface, hold the SET key for 2 seconds to access the backlight setup mode, indicated by LED on the LCD with ON and OFF flashing. Press the Up or Down key to select ON or OFF, then press OK to exit. If OFF is selected, the backlight turns off automatically after 10 seconds of no key operation (factory default). If ON is selected, the backlight remains continuously active.

5. Overload alarm and overload threshold setting:

• **Overload alarm:**

when the measured device has its watts setting over the preset threshold, the backlight flashes; when the watts drop below the preset value, the backlight stops flashing.

• **Overload threshold setting:**

switch the LCD display to WATT item, 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 A 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 is 2200W, and LCD will display Err if overflow, and 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 access the function. Press the OK key to confirm the clearance. The LCD then returns to the CT interface.

7. Power Consumed clearance: switch to the EC interface and hold the SET key for 2 seconds to access the interface. Press the OK key to confirm the clearance, and the LCD returns to the EC interface.



specification

Rated voltage	220V 50Hz
Measurable voltage range	180.0V~260.0V
Rated current	16A
Measurable current range	0.00A~16.00A
Maximum power	3520W
Measurable power factor range	0.1W~3520W
Measurable power range	0.00~9999KWh
Power factor	0.001~1.000
Measurable range of CO2 displacement	0.00~9999kg
Accuracy	1.0 level
constant	6400imp/kWh
Power consumption	<1W
Operating temperature	0~45°C
storage temperature	-20~60°C
Backlight function	On/off can be set
Product Size	319*60*42mm
Wire length	150mm
Wire diameter	10.5mm
weight	129.6g

