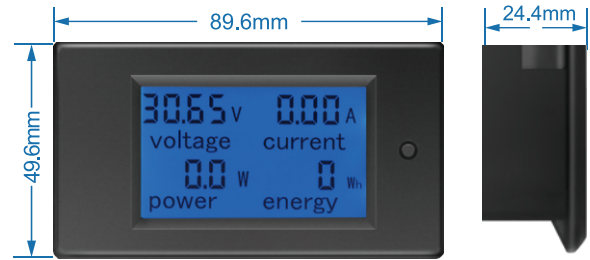




DC Digital Meter User Manual

Dimension diagram (mm)



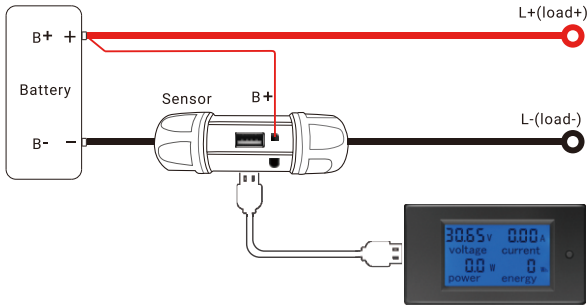
Function Description

This product is a high-precision DC digital meter that can measure and display the real-time voltage, current, power, and energy consumption of DC electrical equipment accurately, help users to understand the operation status of the equipment timely.

Technical Parameter

Parameter	Min.	Regular	Max.	Unit
Working voltage	6.5		100	V
Working power consumption		10	12	mA
Measuring voltage	6.5		100	V
Measuring current	0		50	A
Measuring power	0		5000	W
Measuring energy	0		9999	kWh
Voltage accuracy		±1		%
Current accuracy		±1		%
Power accuracy		±1		%
Energy accuracy		±1		%
Environment temperature	-10	23	60	°C
Weight		173		g
Exterior size		89.6*49.6*24.4		mm
Hole Size		87*47		mm

Wiring Diagram

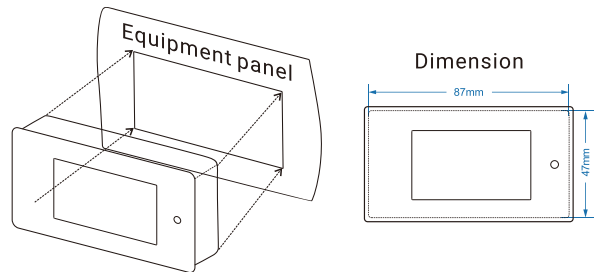


Just connect it following the above diagram.The connection between this product and the current sensor is very convenient through a USB-USB cable.

- Note:** 1.The B- on the current sensor represents the negative pole of power supply; B+ represents the positive pole of power supply; L - represents the negative pole of load.
2. The wiring of the current sensor must be connected through the negative pole, cannot be connected in positive pole circuit, otherwise will cause short circuit.
- 3.The wiring of the negative circuit of the current sensor is locked through the nuts at both ends of the sensor; First loosen the nut, insert the wire between the copper plates, and then tighten the nut.
- 4.The user selects the appropriate wire diameter for connection based on the testing current. The current sensor is a heating device,should maintain a cool and unobstructed usage environment as much as possible.

Installation Method

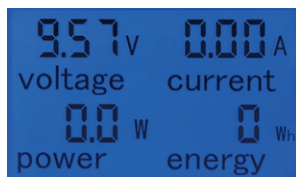
This product comes with a buckle design and is embedded for installation.Opening a hole according to the hole size, then embed it into the panel is OK.



Usage Steps

•Wiring

Connect it correctly following the wiring diagram and power on, the display interface as in the figure:



Note: This product only measures positive current, can't measure negative current;

•Setting

1.Backlight control

Short press the key to turn on or off the backlight. With memory function, it can store the on or off state when power off.

2.Reset energy

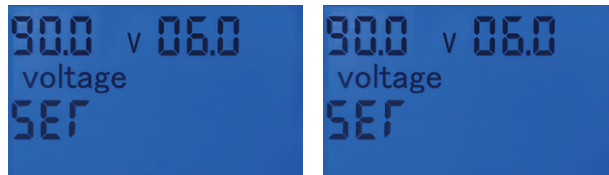


Step1: Long press the key until the power display area display "CLr", then release the key.

Step2: At this moment,the energy flickers to indicate that this is the energy reset state, if short press the key again,then the energy value is cleared and exit the reset flicker state.

Step3: If there is no operation within 5 seconds, then the energy value is not reset and will exit the reset state.

3.Set voltage alarm threshold



Step1: Long press the key until the power display area display "SET", then release the key.

Step2: After entering this state, the voltage area display the present high voltage alarm value, the current area display the present low voltage alarm value and the last digit begin to flicker, now you can short press the key to plus 1. When there is no operation over 3 seconds,it will switch the digit position automatically, from the high voltage alarm value to the low voltage alarm value, there are total six digits, the range of the voltage alarm threshold is 6.5~99.9V;

Step3: After finishing the setting, long press the key until the screen display "PASS", that means you set successfully and will exit the setting state automatically.