



Mini Power Meter with Voltage, Current, Watts, mAh & mWh Display

PRODUCT ID: 3624



Description

This Mini Power Meter with Voltage, Current, Watts, mAh & mWh Display (whew that is a mouth-full) is a lot like the USB In-Line Voltage and Current Meter we carry but can be used with a wide range of voltages (not just USB connections). Measure the working voltage and current output for any project with this really fancy power meter.

This power meter has a small LCD display that shows off voltage, watts, amps, and mA and instantly reads the numbers out for testing devices, such as chargers, cables, and cell phones. There are a few nice extras in this very fancy monitor, such as showing the impedance of the connected device as well as calculating the cumulative Watt-hours and milliAmp-hours over a running time. Basically it's an all-in-one power management solution that doesn't require any calculation or data logging on your part.

You can have it self-power from the power source it's measuring (it has a quiescent of about 20mA and requires at least 3V), or you can power separately from a JST connector or power-only micro USB socket.

Comes with

- 1 x 2-pin JST Connector
- 2 x Positive Alligator Test Clips
- 2 x Negative Alligator Test Clips

Technical Details

Dimensions: 48mm x 29mm x 21mm / 1.8" x 1.1" x .8"

Weight: 15g

Voltage measuring range: 1.00 V - 100.00 V (when powered separately)

Voltage measuring range: 3.00 - 40.00V (when powered by device)

Voltage resolution & precision: 0.0001V / 0.01V

Current measuring range: 0.0000 to 15.00 A

Current resolution & precision: 0.0001 A / 0.01A

Cumulative capacity range: 0 to 99999 mAh

Cumulative resolution/precision: 0.001 Ah

Power cumulative range: 0 to 999999 MWh

Power cumulative resolution/precision: 0.001 Wh

Power metering range: 0 to 299.999 W

Power meter resolution precision: 0.001 W

Impedance measurement range: 1 - 999.99 ohms

Impedance resolution/precision: 0.01 ohms

Temperature measurement range: 0 ~ 80°C

Temperature resolution/precision: 1 degree

Timing maximum time: 999h 59min 59s

Timing resolution/precision: 1 second

Measurement rate: 2 Hz

Display type: LCD module with white graphical display

Quiescent current draw: < 20mA

Working temperature: -10 to 60 degrees C

Working humidity: 10 to 80%