

KILL A WATT P4400

AC Power/Energy Meter



Made by P3 International

Costs about \$20

Widely sold

Powered by 120V AC socket

15 Amps max. Current

LCD displays only one value at a time

Real-time measurement of:

AC Voltage, true RMS (power-up mode)

AC Current, true RMS

AC Power

VA Apparent Power = (true RMS voltage) X (true RMS current)

Frequency

Power Factor (1.0 = voltage and current in phase)

Accumulating measurement of:

Kilowatt-hours

Hours connected

Does *not* capture “peak” events such as peak power, peak current, minimum voltage.
A short cord on the plug side makes it much easier to read the display and labels.

Watts Up

DC Power/Energy Meter



Made by *RC Electronics*

Costs \$50-60, not widely sold

Continuous display of:

Current
Voltage
Power

Sequential display of:

Amp-hours
Watt-hours (energy)
Minimum Voltage
Maximum Current
Peak Power

Measures 4-60 Volts when powered by the source, or 0-60 Volts when powered externally.

1 milli-Ohm current shunt resistor introduces very little voltage drop.

Meter consumes 7 mA from either the source or external power.

Handles up to 50 Amps if well ventilated (wires are 14 AWG).

To connect to your equipment, permanently hard-wire or add *Anderson Power Poles* for flexibility.

No buttons or switches!

Intended for radio-control car/plane enthusiasts to test batteries, chargers, and motors.

Also popular as a power and Watt-hour meter for small home/RV solar installations.