



Kill-A-Watt Power Meter



Monitoring Plug Loads

Overview

The model P4400 Kill-A-Watt power meter is a device used for power monitoring of 110 volt plug loads. The Kill-A-Watt power meter allows:

- measurement of real time line voltage (Volts), current (amps), power (Watts), apparent power (VA), frequency (Hz), and power factor (PF).
- calculation of total energy load over the monitoring period. Recording of cumulative energy consumption (kWh-kilowatt hours) and hours of monitoring for a study period. Unlike a power logger, this meter does not record changes in electrical parameters over time.
- instantaneous display of data on the LCD screen. This meter does not require a computer interface.

NOTE: Meter must be plugged into a receptacle to operate. Data is NOT stored on the device. Write down results before unplugging device.



Figure 1: Kill-A-Watt meter monitoring energy use of an appliance

Monitoring the energy use of an appliance

1. Plug the meter into an 110 Volt outlet. The meter must be plugged into a receptacle to operate and display values.
2. Plug appliance into the Kill-A-Watt meter receptacle on front of device.
3. Use buttons to display desired information (Figure 2).
 - (A) Press **Volt** button to display voltage.
 - (B) Press **Amp** button to display amperage.
 - (C) Press the **Watt/VA** button once to display wattage. Press again to display VA (apparent Power).
 - (D) Press **Hz/PF** button once to display Hertz (frequency). Press again to display PF (power factor).
 - (E) Press **KWH/hour** button once to display the cumulative power consumption since the device was plugged in (kiloWatt hours). Press again to display the cumulative time since monitoring began (hours/minutes).
4. Once the meter is plugged into an outlet, the internal clock begins accumulating the hours/minutes of the monitoring session, and will stop once the meter is removed from the outlet.

NOTE: All data must be collected prior to unplugging the device. To clear data and reset meter, simply unplug from power.

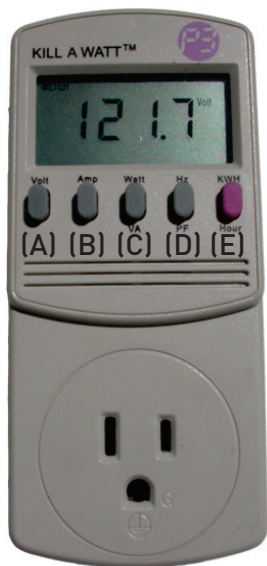


Figure 2: Kill-A-Watt meter displaying voltage information

