



Kill-A-Watt Meter

User Guide



The Kill-A-Watt personal energy meter is a powerful and simple tool for measuring the electricity use of your appliances, helping you to be more efficient and save both money and natural resources. Knowledge is power!

To use meter, plug into outlet, and plug appliance into socket on front of meter. There are two ways to measure your electricity use:

Watts (W)—instantaneous electrical power	Kilowatt Hours (kWh)—energy use over time
<ol style="list-style-type: none"> 1. Press the middle button to see how many watts your appliance uses while on. Watts measure instantaneous electrical power. 2. Estimate the hours per day your device performs this task (i.e. how long a television is on or how much a toaster toasts). 3. Multiply the number of hours by 365 to find annual use. Multiply by .001 to convert to kilowatt hours (kWh), just as utility companies measure electricity. 4. If an appliance is on 24/7, simply multiply by 8.76 (24 x 365 x .001). 5. For example, if the television reads 200 W and is on for five hours a day, the equation to find kWh is: $200 \text{ W} \times 5 \text{ hours} \times 365 \text{ days} \times .001 = 365 \text{ kWh/year}$ 	<ol style="list-style-type: none"> 1. Press the red button on the right to measure how many kilowatt hours (kWh) have been used since the meter has been on. 2. Leave unit plugged in for at least one day to receive accurate kWh reading (7 days is most accurate); unplugging the unit will reset it. 3. Press the red button again if you would like to switch back to watts. The unit of your reading is displayed in the upper right-hand screen corner. 4. This method is best for appliances that are only on intermittently or have multiple functions; so an instantaneous reading may not provide the full picture. For example, a refrigerator's compressor only runs a few hours per day, and your computer uses more energy when accessing its hard drive than when not performing a task.

Multiply kWh by 0.14 (14¢, the cost of 1 kWh of electricity at AU) to find the cost of your energy in a given period of time. If you're not at AU, check your utility bill for your electricity rate.

