



Wireless Energy Monitor - LED Smart Meter

Monitor household electricity use and learn where to save energy and save money

Electricity costs are now extremely high. With all the extra appliances and lighting in our homes and offices it is very difficult to keep in control of expenditure on electricity.

Wasted electricity can add up to significant amounts across weeks, months, and years. Often we just leave our lights, appliances, and equipment switched on or in standby mode, this is costing a lot of money and needlessly using energy.

Our Wireless Energy Monitor allows you to see how much electricity you are using now, how much it costs, how much your Solar panel is produce now and how much you save. It will instantly display what the effect of turning off individual appliances, Hi Fi & computer equipment, lights, electric heaters etc has on your electricity costs.

You can then ensure that you turn off, or use equipment, lights, and appliances in a more efficient way. Saving you money, saving energy and carbon emissions.

The Watts Clever range of Energy-Watch Monitors and EASY-Off Sockets help people and companies to assess their energy use and to take steps to reduce it.

Our products ensure that this becomes a simple operation and something that will be done automatically, or with the minimum of thought.

Main specifications

- Accuracy within 5%
- LCD Display Dimensions: 11.5cm (W) x 12.5cm (H) x 2.5cm (D)
- Transmitter Dimensions: 10cm (H) x 5.9cm (W) x 2.6cm (D)
- Sensor diameter 2cm, 50cm cable length
- Display Unit last for up to one year
- 2 transmitter batteries 'AA' type (supplied) last for up to one year
- Operating temperature of -5 to 50 degrees C
- Wireless transmission: 433 MHz SRD band
- LCD segmented display
- Displays current power, cost, and CO₂ consumption
- Shows POWER, CO₂, and COST history for the previous 5 hours, 5 days, 5 weeks, or 5 months.
- Works with 1,2, or 3 phase power supply
- Works with all voltages
- Data transmitted every 45 seconds
- Supports up to 5 channels
- Supports up to 3 tariff settings per day
- Alarm function for high usage warning
- Up to 30m transmission distance



How it works

The Wireless Energy Monitor comprises of a LCD Display / Transmitter Unit, and Sensor. The sensor measures your household electricity usage at your electricity meter. The Display Unit receives information from the Sensor / Transmitter Unit via radio frequency signal. Both the transmitter and the receiver are battery powered making installation extremely simple and straight forward.

Modern electricity meters have a flashing LED on the front of the unit which flashes at a fixed rate for each kWh of electricity usage. The LED sensor reads the speed of the flashing and converts this reading to the power been used and it is then transmitted wirelessly to the display unit which may be located up to 30 metres away. (The actual distance depends upon the number and density of walls and floors the signal is transmitted through).

Households are able to see their energy usage in real time as their lights and appliances are turned on and off, as well as historical hourly, daily, weekly, and monthly readings. This information allows people to understand the impact of the various electrical devices in their homes in terms of their direct energy cost to them.

Through using The Wireless Energy Monitor you can save money on your electricity bills as you become more aware of the energy you use and generate. It help reduce your impact on the environment.