

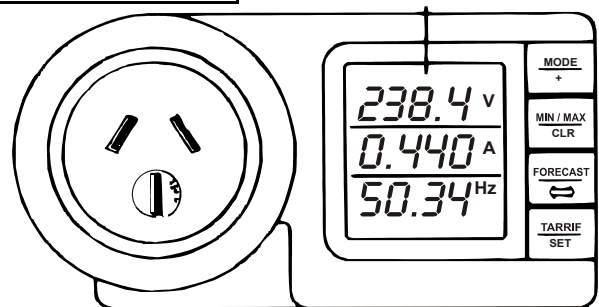
Energy Monitor 3000

The Energy Monitor 3000 is an easy to use mains (230V) energy measuring instrument for both the professional and home owner. This instrument gives instantaneous readings of mains volts, current, frequency, power, VA, power factor (will indicate capacitive or inductive), as well as recording maximum and minimum values. The Energy Monitor 3000 will record operating time of the appliance in hours and % of total time. The Energy Monitor 3000 is equipped with a backup battery to remember accumulated energy totals if the mains fails, inverter switchers to standby mode or the unit is sent to a remote location. This instrument is an invaluable tool for Energy Auditing, Stand-alone Power System owners and installers.



Cat.# MET-030

LCD DISPLAY



This instrument has been designed as an energy monitoring tool and not as a precision test instrument and so should not be used as an 'official' measurement tool. The energy monitor 3000 displays **continuously** the last mains voltage reading and frequency (with energy monitor disconnected from mains) and should not be used as an instrument to monitor the presence of the mains.

Manufacturer's specifications are adjusted for Australian conditions.

Operating Voltage	230V AC 50Hz
Energy Monitor Power	1.5 W (standby)
Maximum Power	2400W (limited by Australian 10A plug & socket)
Maximum Current	10A (Will read to 13A) (limited by Australian 10A plug & socket)
Overrun display	Blinking display at approx 3072W
Tolerance	±1% ±1W typical (max ±2% and ±2W for Measurement up to 2500W)
Working temperature	+10 to +40 °C
Battery type	CR 1620, 3V
Tariff setting range	0.001 to 9.999
Power load display	0.001 to 15000 kWh (OFL = range exceeded)
Dimensions (L x W x H)	Approx. 135 x 70 x 82 mm
Parameter resolution	
Voltage measurement	0.1V
Current measurement	0.001A
Frequency	0.01 Hz
Active and apparent power	0.1W/0.1VA (for 1.5 to 1000) 1W/1VA (for over 1000)
Cos phi (power factor)	0.01
Record hours & On hours	0.01 (for values up to 100) 0.1 (for values between 100 and 1000) 1 (for values over 100)



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