

Eco-eye Smart 300 and 600

Satisfies your need for more advanced information

Key Features:

- ✓ **Monitors 3 phases**
- ✓ **Unique traffic light load indicator**
- ✓ **Graph for own chosen targets**
- ✓ **Reset feature**
- ✓ **USB interface for real-time feed to PC or network**
- ✓ **MMC card for offline data logging**
- ✓ **2 year battery life**
- ✓ **Firmware upgradable**



Eco-eye Smart is at the very centre of our new and evolving family of domestic and commercial energy monitoring products. It is simple to operate whilst allowing the user to display and analyse the data received in detail, with or without connection to a PC or computer.

Like all Eco-eye monitors, the large and uncluttered screen features a single numeric value for each display option and allows the user to easily view their preferred mode (KW, Cost, Amps, etc.) with any time period (hour, day, week, month or year). The unit also has a resettable 'counter' mode which allows the user to measure usage over any time period.

Eco-eye Smart is a 'wire-free' device that utilizes cutting edge micro-power technology avoiding the need for a mains power connection whilst still retaining the fastest update rate of any monitor. Eco-eye Smart updates every 4 seconds – that's over 20,000 updates a day - yet a pair of standard batteries in the display and sensor will provide an estimated life of around 2 years.

Why battery powered? Being wire-free enables Eco-eye Smart to be positioned anywhere in your home or business premises and allows the user to move freely around seeking out those power hungry devices. There is also an option to use AC mains adaptors at the sensor and receiver if preferred. All incoming transmissions are signified by flashing one of the three LED 'traffic lights' to indicate whether the current load is in line with the user's chosen settings.

The user can input their own total daily usage target (KWh) which is constantly displayed graphically – there is also a real-time mode which displays the actual percentage of target used and is updated every 4 seconds.

Eco-eye Smart is able to transfer data to a PC, either in real-time using the USB interface cable or with data logged to an MMC card. The MMC card has a capability of storing up to 10 years' data at a resolution of 4 seconds granularity and can be analyzed in close detail using our 'Trax' software.

Eco-eye Smart is also firmware upgradable by the user and is equipped with transceiver technology enabling bi-directional wireless data transfer to ensure that it remains compatible with the evolving Eco-eye energy management product range.



Efficient technology for today's world

Eco-eye Smart 300/600 Technical Specifications

Smart Receiver/Display Unit

Description: LCD display unit with 5 push buttons, LED traffic light system and 4 digit (plus 2 x zero), numeric readout. Display automatically adjusts resolution i.e. 3 decimal places up to 10kw, 2 decimal places 10 - 100kw etc. Incorporates an MMC card slot and data cable socket for use with a PC or computer.

Battery Voltage: 2 x C Cell, Optional use of AC/DC adaptor

Battery Life: Up to 2 years subject to signal quality
(has low battery indicator)

Shows: KW, Amps, Cost, KgCO2, Time, Temperature in C at the display.

Periods Hour, Day, Week, Month and Year

Modes Real time, Accumulated, History

Currency Options: £ \$ € and pictorial Icon

Tariff Single (up to 6 with TRAX software)

CO2 emissions: Programmable by user

History space: 128 days

Materials: Casings made from ABS

Dimensions: 138 mm x 70 mm x 38mm

Display size: 114 mm x 43mm

Character size: 40mm high

Use: Freestanding or wall mounted



Sensor Unit

Two part split core transformer

3 supplied with each kit

Internal Diameter:

Casing Materials:

Measuring current of sensor:

Smart 300

13 mm

ABS

100 Amps

Smart 600

17.5mm x 22.5mm

ABS

200 Amps



Transmitter Unit

Two part construction with free-standing/screw fix back plate LED & switches.

Sensor Sockets: 3, with option for alternative sensors.

Computer: Socket for USB cable

Dimensions: 90 mm x 50 mm x 27mm

Casing Materials: ABS

Frequency: 433MHz radio band (Choice of 30 channels)

Battery Voltage: 2 x AA for transmitter, 3V nominal. (2V2-3V3)

Optional use of AC/DC adaptor

Battery Life: Approx. 12 months (with low battery indication)

Update rate: 4 seconds

Range: Maximum 40 metres subject to site conditions



If you require further information on Eco-eye products, we would be very glad to hear from you.

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