

PECU Logger Mk3

Unmetered electricity is used by street lights, traffic lights and other similar electrical equipment. In total, unmetered energy accounts for about 1.25% of the UK's total electricity consumption. The biggest volume of unmetered energy is consumed by street lights.

Recent changes to the Carbon Reduction Commitment (CRC) regulations mean that local authorities can save in the region of 1% of their street lighting energy cost by investing in a PECU Logger to calculate their unmetered energy consumption based on 'Dynamic Half Hourly data'.



Dynamic Half Hourly is the most accurate trading method available for unmetered supplies. It uses the data available from a PECU Array to accurately calculate kWh consumption each day. It is referred to as 'Dynamic' because it is set up to dynamically record the actual switch on / off times of lighting units within the Customers inventory; Meter Administrators use this information for the energy usage calculations.

EGS is the UK's leading provider of PECU Loggers to street lighting authorities and is pleased to introduce the latest in PECU Logger technology, the PECU Logger Mk3. Building on our experience and the success of the Mk1 and Mk2 PECU Loggers, we have made use of the latest micro computer technologies whilst crucially retaining compatibility with legacy metering software and offering future proofing capabilities to protect your investment.

The Mk3 integrates a GSM modem for wireless connectivity, whilst still providing support for any customers with a legacy wired telephone connection. This simplifies and reduces the cost of installation by not requiring a landline connection to the roof.

The new Mk3 also introduces a more accurate clock than previous systems utilising 'Cellular Network Time' as a clock reference. There is also the option to implement a M2M connection or if there is a requirement in the future to utilise a 'Cloud' based data transfer model.

Following revisions to the ELEXON BSCP520 document, we have been able to make the light meter optional thereby reducing the initial cost of the system and also removing the cost of on-going calibration

The PECU Logger contains a representative sample of 30 photocells from the street lighting authority's stock, covering the different lux levels, types, manufacturer and age. There is a micro-computer inside the logger that records the on/off times from each individual photocell.

A cellular modem then allows the appointed Meter Administrator to download this data on a daily basis. The cellular option avoids problems of telephone system configuration and providing cabling up to rooftops.



Specification

Specification for Models: F852_05A, F852_06A, F852_15A			
Capacity [PECU]	30		
	F852_05A	F852_06A	F852_15A
NEMA Sockets Fitted	30	24	06
User Fitted Options	00	06	24
Enclosure	Moulded IP65		
Size – With Chassis Rails	1000 x 640 x 300mm		
Without Chassis Rails	850 x 640 x 300mm		
Approximate Weight	40 Kg [Excluding PECs]		
Power Requirements	Nominal 230V AC Typically 2A and ~5A with system heaters operating		
Modem	GSM (SIM not included) Optional Fixed Line		
System Status Indication	External LED		