

Emlite EMA feed-in-tariff meter

The emlite modular meter has GPRS communications for automatic meter reading.

Overview

The Emlite meter has been designed specifically for the collection of micro-generation metering data. The meter can provide functionality that makes it suitable for other metering applications such as import/export metering and can be used for billing.

Features

- Fully MID approved for MCS feed-in-tariff metering.
- Measures Import and Export energy flow
- Power quality information
- GSM signal strength shown on display

The emlite meter is of modular construction and allows for a range of different communication modules to be fitted. The meter is fully MID approved and can provide power quality information such as across both import and export energy values. This information can be accessed remotely using the **Em-Connect** windows application.

The overall solution has been designed to minimise installation time and reduce the need for return maintenance visits.

An indication of the GSM signal strength is provided on the meter display and in the cases where a network resilient SIM card is fitted, the number of available networks is provided.

This single display allows the installer to leave site confident that the meter is fully operational with a robust communications link.

Using **Auto-registration** the installer can also check a remote web portal to ensure the meter has established communication with the data collection server.



Communications

The Emlite meter serves as the base for the ASLH382 GPRS modem. The ASL module provides for the remote reading of the meter and stores a half-hourly profile of import and export energy.

- External antenna connection
- Compatible with network resilient SIM
- Simple installation procedure
- GSM status lights
- Hot-swappable module

The SIM card is located under the module which can be accessed by unscrewing two screws.

Technical Data

Electrical	Voltage	Nominal voltage Maximum Voltage withstand	220V – 240V 276V 415V continuously
	Frequency	Nominal frequency Frequency variation	50Hz +- 5%
	Current	Basic current (Iref) Maximum (Imax)	5,10,15 and 20A 100A
	Accuracy	Active energy Reactive energy	Class B, 20 EN 50470 1-3 Class 2, to IEC 62053-23

Meets the essential requirements of the Measuring Instruments Directive (MID) 2004/22/EC.

Environmental	Temperature range	-25°C to +55°C
	Ingress protection	IP52, to BS EN 60529

Meters are intended for installation in a in a class E2 electromagnetic environment and Class M1 Mechanical Environment according to 2004/22/EC Directive.

Physical	Terminal arrangement	BS 7856
	Main terminal size	8.2mm diameter
	Terminal construction	Solid brass double screw clamp

Overall dimensions	Including module	182H x 126W x 68D
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ASLH382 GPRS modem without meter

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