

Modular Smart Meter

Multi-utility Metering for Tenant Billing

Optimised for multi-utility, energy monitoring applications the emlite Modular Smart Meter is the ideal choice for automated tenant billing applications.

Features

- UK MID approved emlite electricity meter
- Electricity, gas and water metering
- Automated data collection
- Dual wireless pulse input metering support
- ATEX compliant wireless gas metering
- Power quality information
- GPRS network communications
- GSM signal strength display
- Twin element and load control versions
- Energy and instrumentation profiling
- Modular construction
- Range of 2G, 3G and 4G modems
- Optimised for tenant billing

Applications

- Automatic Meter Reading (AMR)
- Multi-utility data collection
- Tenant billing
- Multi-level sub-metering
- Residential/Industrial metering



Combining an electricity meter, wireless pulse input module, user interface and cellular network modem into one modular system provides a comprehensive and flexible metering solution.

ATEX approved wireless pulse senders are available for connection to gas, water, heat or any other pulse output compatible meters.

The integrated GSM modem transmits energy consumption information to the EnergyLogix energy management platform for automated tenant billing and energy management applications.

Specifications

Electricity Meter	Nominal voltage 220V—240V. Maximum voltage 276V. Nominal frequency 50Hz. Frequency variation $\pm 5\%$. Basic current (Iref) 5, 10, 15 or 20A. Maximum current (Imax) 100A.
Metrology	Accuracy; active energy class B to EN 50470 1-3. Meets the essential requirements of the Measuring Instruments Directive (MID) 2004/22/EC.
Terminals	Main terminal size 8.2 mm diameter, solid brass construction.
Network Compatibility	2G - Quad band for use on GSM/GPRS networks at 850/900/1800/1900 MHz. 4G - Penta band for use on LTE Cat M1 networks at 800/900/1800/2100/2600 MHz.
SIM	Secure mounting 2FF SIM holder.
Antenna	Internal, integrated.
Space Envelope	182(H) x 126(W) x 78(D) mm.
Weight	900 grammes.
Environmental	Temperature 0°C to +55°C operating; -20°C to +70°C storage. Humidity 0-95% non-condensing. IP52 ingress protection to EN 60529. Meters are intended for installation in a class E2 electromagnetic environment and class M1 mechanical environment in accordance with directive 2004/22/EC.
Approvals	Electricity meter: EN 50470 1-3 Class B. BS 7856 terminals. MID (Module B) Certificate Number 0120/SGS0083. Communications module: 3GPP TS 51.010-1, EN60950, RE directive 2014/53/EU, EMC directive 2014/30/EU.
Support Documents	Pulse sender installation and setup guide.