

Liberty Gas 200

smart electronic SMETS2 gas meter



Installation efficiency

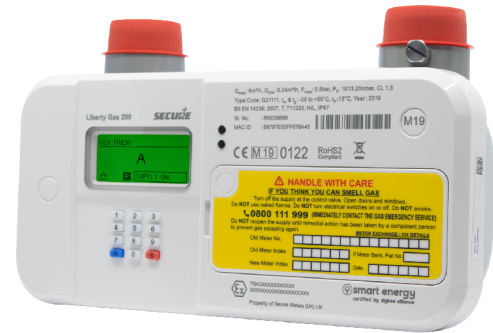


Keypad for manual entry



Pay as you go (PAYG)

Secure Meters has developed the Liberty Gas 200 SMETS2 gas meter to meet UK smart metering requirements. Liberty Gas 200 uses an electronic measuring unit, making it very compact, and allowing it to be installed in any orientation. The meter has the 12-button keypad similar to Secure SMETS1 meters, allowing manual entry of UTRN if there is no WAN. The meter is SMETS2 compliant with both Credit and Pay As You Go (PAYG) modes of operation supported. The meter can be switched remotely between modes throughout its operating life.



Application

- Smart SMETS2 compliant gas meter for use in Credit and PAYG modes

Benefits

- Simple installation, registration and pairing
- Keypad for entering UTRN if there is no WAN
- Large, clear backlit display for ease of reading
- Assists consumers in reducing energy consumption

Features

- Meets requirements of SMETS2
- Integrated isolation valve
- Logging of multi parameter load survey, billing data, events (including power outage and abnormalities)
- Credit and PAYG modes (meter maintains account and tariffs)
- Keypad to enable local entry of PAYG UTRN token if WAN not available
- Remote firmware upgrade



Technical specifications

Meter specifications

Connection type	UK-sized bosses at 6" (152.4 mm) centres
Meter rating	E6 Q_{\min} 0.04m ³ /hr, Q_{\max} 6.0 m ³ /hr
Working pressure	Up to 0.2 bar
Resolution	1 litre
Gas types	2 nd Family of Gases
Valve	Integrated ball valve, rated for 2000 operations

Compliance

Standards	MID Class 1.5, EN 14236 ATEX Ex II 3 G Ex ec ic IIA T6 Gc
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Mechanical

Dimensions (W x H x D)	237 x 141 x 86 mm
Enclosure	Electronic index: flame-retardant polycarbonate Main meter enclosure: powder-coated steel
Weight	1.7 kg (approx.)
Battery	Field-replaceable battery

Environmental

Ingress protection	IP 67
Temperature	-25 °C to +55 °C (operating), -25 °C to +70 °C (storage)
Humidity	95% RH non-condensing

Features

Firmware	Remote firmware upgrade
Tariff	Slab, Time of Use (TOU) and Complex (Slab within TOU) supported Pending tariff structures supported
Load survey	13 months

Display

Keypad	Backlit dot matrix display 12-key 0-9, A, B for local entry of PAYG code and access to displays
PAYG functionality	Credit and PAYG modes (meter maintains account and tariffs) Display of current and historical consumption with cost of consumption data Emergency Credit Friendly Credit (no disconnection during unsocial hours, weekends or special days) Debt recovery
Battery life	>10 years, depending on operating mode Low battery warning raised near end of life

Communications

Local diagnostic port	Optical 1107 hardware-compatible port for refurbishment purposes
HAN	ZigBee®HAN (SEP1.4)

Specifications are subject to change without prior notice. (Iss 1 10-18)



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