

Liberty EG4v 12

Electronic index gas meter



Currency display
in monetary terms



User
convenience



Bluetooth
connectivity



Pay as you go
(PAYG)

Liberty EG4v 12 is an intelligent diaphragm based prepayment gas meter with G1.6 measurement unit, electronic index and isolation valve which is ideal for low flow rate installations for residential segment.

Liberty EG4v 12 supports Pay As You Go (PAYG) mode of operation. The meter uses Bluetooth low energy (BLE) communication to connect with mobile application. Consumer's mobile application is used to generate top-up/recharge token and transfers it to meter.



Application

- Prepayment mode:
 - domestic customers
 - small commercial customers

Benefits

Customer

- Upfront payment, better cashflow
- Reduced operational cost – no need to generate and distribute bills
- No commercial loss - zero debt

Consumer

- Purchase of gas as per need
- Consumption info in monetary terms.
- Predictable expenses, helps in budgeting.

Features

- Enhanced accuracy achieved through electronic calibration
 - Prepayment mode
 - Integrated isolation valve
 - Supports tariff change in field
 - Logging of billing data, events including tamper detection
 - Keypad for local entry of recharge token
- Display of current and historical consumption with cost of consumption data
- Friendly credit – to avoid disconnection during odd hours and weekends/holiday
- Emergency credit – reserve credit for limited use



Technical specifications

Metrological

Connection type	
Meter rating	G1.6, Q_{min} 0.016m ³ /hr, Q_{max} 2.5m ³ /hr
Working pressure	Up to 0.5 bar
Cyclic volume	0.0012m ³
Gas types	Natural gas

Compliance

Standards	MID Class1.5 EN 1359 ATEX Ex II 3 G Ex ic IIA T6
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Mechanical

Dimensions (W x H x D)	237 mm x 247 mm x 174 mm
Weight	2.5 kg
Enclosure	Electronic Index - flame retardant polycarbonate Gas meter - powder coated steel case
Battery	Field-replaceable battery
Isolation valve	Rated for 2000 cycles (2000 ON and 2000 OFF operations)

Environmental

Ingress protection	IP54 (EN60529)
Temperature	-10 °C to +55 °C (operating), -25 °C to + 55 °C (storage)
Humidity	95% non-condensing

Features

Tariff	Slab or flat supported
History	3 months
Display	Backlit 10-character alphanumeric starburst display with icons for status
Keypad	12 way - 0-9, A, B for local entry of prepayment code and access to displays
Security	AES128 encryption Specifications are subject to change without prior notice
Battery life	Minimum 10 years with normal operations Low battery warning raised near end of life
Isolation valve	Option for valve close in case of excessive flow at valve opening and during tampers
Alarms	Alarm in event of meter tilt, magnetic tamper, battery cover open
Communication	BLE - Inbuilt

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