



GS-60B

Class 1.5

Residential Gas Meter SMETS2
Compliant, ATEX Zone 2

Designed for the residential smart meter rollout in Great Britain, the GS-60B is the second generation of our SMETS2 compliant gas meters.

Operating at Zigbee 2.4GHz and GBCS compliant, this ultrasonic meter is highly accurate and tamper proof and can work in credit or prepayment mode.



Key Features



HIGH
ACCURACY



ANTI TAMPER

P-PAY

PREPAYMENT



UPGRADEABLE



LARGE LCD
DISPLAY

IP67

SUPERIOR INGRESS
PROTECTION



LOW POWER
CONSUMPTION



ZIGBEE
COMPLIANT

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ATEX Zone 2



Standards and Compliance

- Class 1.5
- EN 14236:2007 (MID) Directive 2004/22/EC Ultrasonic domestic gas meters
- SMETS2 Compliant
- Smart Meter Certified to ATEX Zone 0
- v0.8.2 SMETS2 v1.59
 - CPA v1.1
 - DLMS
 - Zigbee 1.2b
 - Welmec 7.2 2015
 - RoSH 2012
 - WEEE 2013

Measurement

- Measurement accuracy: 0.04 to 0.6m³ < +/- 3%
0.6 –6m³ < +/- 1.5%

Pressure Loss

- 200Pa at 6m³/h (including valve)

Gas Supply

- Natural Gas H and L gas
- Meter capacity: 6m³/h

Input Measurement

- Single bounce speed of sound time measurement

Disconnect Valve

- Brushless DC-powered motor <0.01 l/h leak rate
- Fast closing valve
- Gas seal compliant EN549
- Oil-less construction
- Local/remote operation

Battery

- Main Cell Type Lithium (Replaceable)
- Actual battery health monitor (EOL Monitoring) optional feature to provide seamless battery replacement when required
- Backup: Super capacitor

Real-time Clock

- Accuracy: < +/-5 secs/month

Calendar

- Backup time 3 days without main battery

Display

- Large 16 x 2-character display
- Display digit size: 5.3 x 3.3mm
- Multiple screens of meter parameter
- Backlight standard

Materials

- Metal chassis: Alu-Zinc hot-dip galvanized steel
- Smart index: Polycarbonate
- Ultrasonic unit: Polybutylene terephthalate flow path, sensor and PCB

Connections

- Connections: 1"BS 746 couplings 6" centres
- Test point (optional)

Processor

- Low power
- Extendable memory option
- Hardware cryptography
- Back up software images for high reliability

Load Survey/Profile

- Up to 2.0 Megabytes of non-volatile memory
- 13 months of half hourly data
- 48 half hourly intervals

Tamper Detection and Alarms

- Metrological seals to gas meter
- Communications and battery cover tamper evident seals
- Meter tamper detection alarm
- Alarms programmable to display LCD status and communications event

Prepayment

- Credit or debit operation
- UTRN (Unique Transaction Reference Number) per GB specifications
- Minimum charges, standing charges and emergency credit
- Configurable warnings and indicators
- External debt repayment x2

Communications

- Zigbee SEP 1.2
- GBCS object support

Environmental

- Operating range:
-25 °C to +55 °C
- Storage range:
-20 °C to +60 °C
- Relative humidity:
95%
- Ingress protection: IP67
- Corrosion: 1000h salt spray compliant

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