GAS

GS-60B

Class 1.5

Residential SMETS2 Gas Meter

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 ALLIANCE |

GS-60B

Class 1.5

Residential SMETS2 Gas Meter

235.4mm (W)

162mm (H)

85.8mm (D)

Weight: 2.2kg

Standards and Compliance

- Class 1.5
- EN 14236:2018 (MID) Directive 2014/32/EU Ultrasonic domestic gas meters
- SMETS2 Compliant
- Smart Meter Certified to ATEX Zone 2
- GBCS v1.1, SMETS2 v2.0
  - CPA v1.2
  - Zigbee 1.2b
  - Welmec 7.2 2018
  - RED EN 300.328
  - RED EN 301.489
  - RoSH 2012
  - WEEE 2013

Measurement

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

Pressure Loss

- Less than 200Pa at 6m³/h (including valve)

Gas Supply

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

Input Measurement

- Single bounce speed of sound time measurement

Disconnect Valve

- Brushless DC-powered motor <0.1 l/h leak rate
- Fast closing valve
- Gas seal compliant EN 549
- Oil-less construction
- Local/remote operation

Battery

- Main Cell Type Lithium (Replaceable)
- 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

Processor

- Low power
- 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: -10˚C to +55˚C
- Storage range: -25˚C to +60˚C
- Relative humidity: 95%
- Ingress protection: IP67
- Corrosion: 1000h salt spray compliant
- Resistant to high temperature according to EN 14236