



GC-25AU

Class 1.5

Commercial Ultrasonic Smart Gas Meter

The GC-25AU is a G16 smart ultrasonic gas meter designed for natural gas with up to 23% hydrogen. It supports multiple communication options and provides 10+ years battery life. The meter is compact in size for easy installation and is built with sturdy material that has good environmental resistance and durability.



Key Features

H₂

HYDROGEN
READY

IP67

SUPERIOR INGRESS
PROTECTION

AMI

AMI READY



HIGH
ACCURACY



FIRMWARE OVER
THE AIR

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Weight: 4.5kg

Standards and Compliance

- Class 1.5
- MID 2014/32/EU
- OIML R 137-1&2: 2012
- ATEX - Directive 94/9 EU (Zone 1)
- IECEx (Cat 2)
- RCM
- RoHS
- CE

Gas Supply

- Natural Gas H, L and E
- Hydrogen mixes up to 23%*
- Meter capacity: 25m³/h

Input Measurement

- Single bounce speed of sound time measurement

Battery

- 3.6V Lithium battery with integrated HLC
- High capacity providing 10-year battery life

Real-time Clock

- Clock accuracy (internal) 25 seconds per month at 23°C

Calendar

- RTC synchronization

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: Powder coated aluminium
- Smart index: Polycarbonate
- Ultrasonic unit: Polybutylene terephthalate flow path, sensor and PCB

Connections

- Connections: 1 1/4" bosses (30 Lt.) 8 1/4" centres (209mm)
- Test point

Data Delivery

- 30-minute load surveys
- Daily cumulative midnight totals
- Configurable data delivery time

Tamper Detection and Alarms

- Battery cover removal
- Reverse flow with configurable threshold
- Overcapacity with configurable threshold
- Low battery alarm

Security

- DLMS Security Suite 0; AES 128-bit encryption

Communications

- Multiple communication modules available
- Global frequency bands support
- Optical port: Flag (IEC 62056-21)

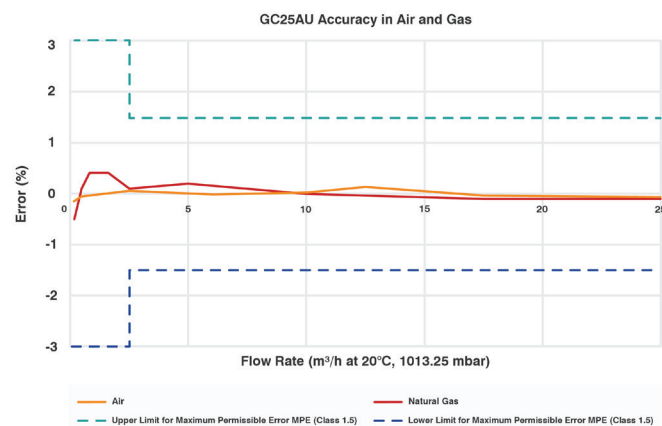
Protocol

- DLMS/COSEM

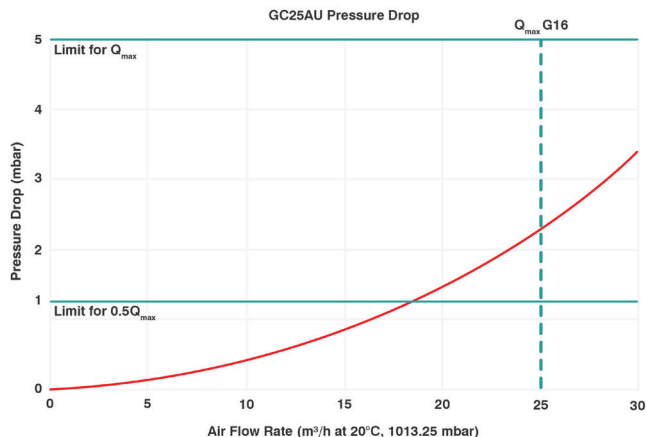
Environmental

- Specified operating range: -10°C to +55°C
- Storage range limit: -20°C to +60°C
- Relative humidity: Up to 75% mean, 95%, non-condensing for 30 days
- Ingress protection: IP67
- Corrosion resistance: Tested against ISO 9227:2012 for 1000h
- UV stability: Tested against ISO 4892-3:2016 for 66 days

Measurement



Pressure



*Pending future development and demand

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