



# 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

**H<sub>2</sub>**

HYDROGEN  
READY

**IP67**

SUPERIOR INGRESS  
PROTECTION

**AMI**

AMI READY



HIGH  
ACCURACY



FIRMWARE OVER  
THE AIR

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## Commercial Ultrasonic Smart Gas Meter



### Standards and Compliance

- Class 1.5
- Directive 2014/32/EU (MID)
- OIML R 137-1&2
- ATEX - Directive 2014/34/EU (Zone 1)
- Directive 2014/30/EU (EMC)
- Directive 2014/53/EU (RED)
- RoHS
- CE

### Gas Supply

- Natural Gas H, L and E
- Hydrogen mixes up to 23%\*
- Meter capacity: 25m<sup>3</sup>/h

### Input Measurement

- Single bounce speed of sound time measurement

### Battery

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

### Real-time Clock

- Accurate to within <0.2 second/day of the UTC date and time under normal operating condition

### Calendar

- RTC synchronization

### Display

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

### Materials

- Metal chassis: Powder coated aluminium
- Smart index: Polycarbonate (flammability rating of V-0 according to EN 60695-11-10) and superior UV resistant material for (H3) outdoor environments (optional)
- Ultrasonic unit: Polybutylene terephthalate flow path, sensor and PCB

### Connections

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

### 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

### Communications

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

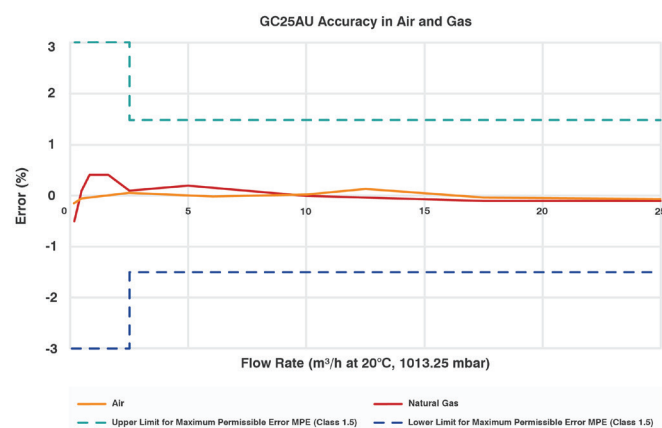
### Protocol

- DLMS/COSEM
- AES 128-bit encryption

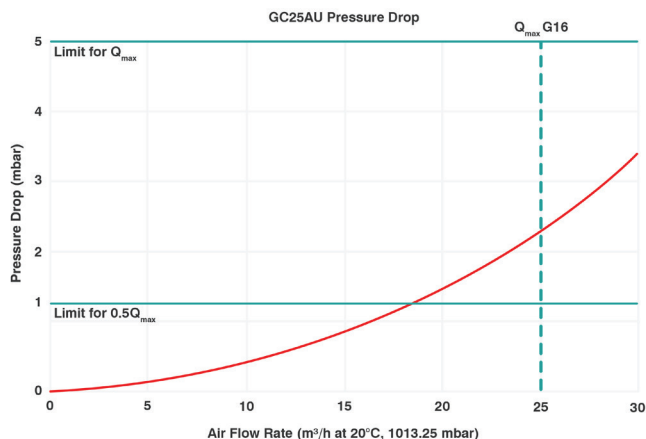
### Environmental

- 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

### Measurement



### Pressure



\*Pending future development and demand

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