



# GC-25AU

Class 1.5

Commercial Ultrasonic Smart Gas Meter



The GC-25AU is a 25m<sup>3</sup>/h sized commercial advanced digital gas meter, designed for natural gas and hydrogen gas mixes, using ultrasonic flow measurement. It supports LTE-M communication technology and provides 10-year battery life. GC-25AU also supports secured DLMS standards.

## Key Features

H<sub>2</sub>

HYDROGEN  
READY



NB-IoT



LTE-M

IP67

SUPERIOR INGRESS  
PROTECTION

AMI

AMI READY



HIGH  
ACCURACY



FIRMWARE OVER  
THE AIR

# GC-25AU

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## Commercial Ultrasonic Smart Gas Meter



### 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: 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-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

- Communication module with LTE-M1 and NB-IoT\* capabilities
- Global frequency bands support
- Optical port: Flag (IEC 62056-21)

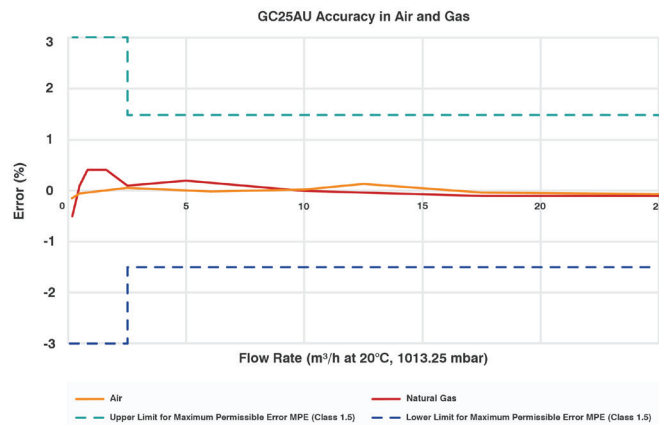
### Protocol

- DLMS/COSEM

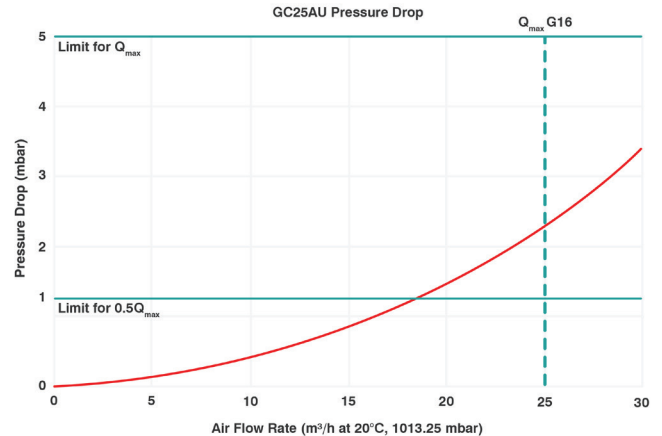
### Environmental

- 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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