

G2.5 AMR Diaphragm Gas Meter

G2.5 | RS485 / MODBUS | Diaphragm type

TECHNICAL PRODUCT INFORMATION | GasIQ Meter

Gas metering device designed for consumption measurement and integration with remote data collection systems using an RS485 MODBUS communication interface.



GasIQ private-label product presentation · Factory reference unit

Technical specifications

Model	G2.5
Nominal flow rate	2.5 m ³ /h
Maximum flow rate	4.0 m ³ /h
Minimum flow rate	0.025 m ³ /h
Pressure loss	≤ 200 Pa
Operating pressure	0.5–50 kPa
Cyclic volume	1.0 dm ³
Permissible error	±3% from Qmin to below 0.1 Qmax; ±1.5% from 0.1 Qmax to Qmax
Minimum recording increment	0.2 dm ³
Maximum register reading	99,999.999 m ³
Ambient operating temperature	–10 to +55 °C
Storage temperature	–30 to +60 °C
Design service life	More than 10 years (supplier-stated)
Connection thread	M30 × 2 or customized
Housing material	ADC12 aluminium alloy or steel
Communications	MODBUS over RS485

Construction and connectivity

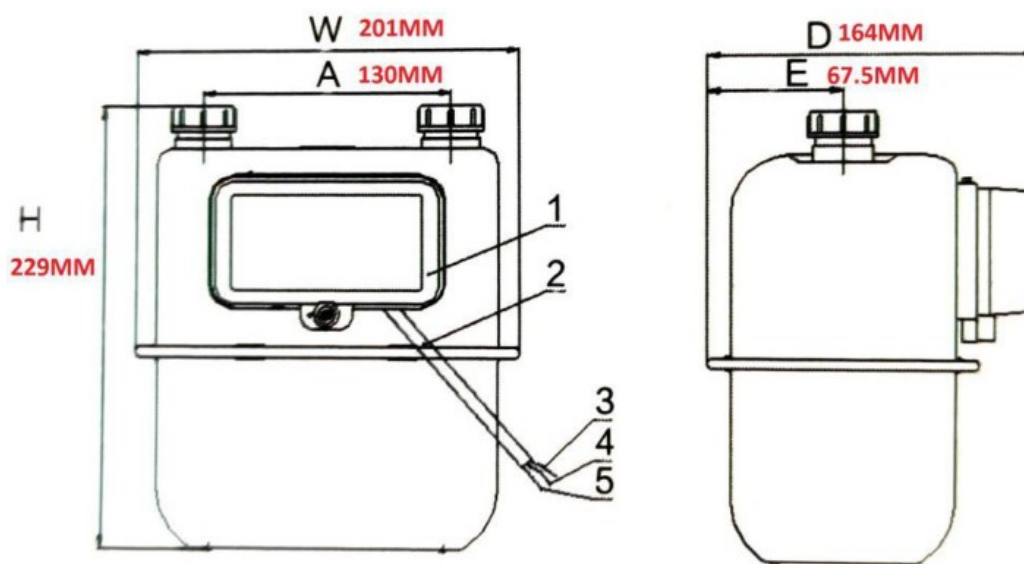
- Synthetic rubber diaphragm designed for temperature resistance and long service life.
- Valve and valve seat made from synthetic resin.
- Supports remote consumption monitoring and valve control where fitted and enabled.
- For connection to a supervisory controller or data concentrator via RS485.

Mechanical dimensions

Reference dimensions	W 201 mm; A 130 mm; H 229 mm; D 164 mm; E 67.5 mm
Unit	Millimetres (mm)

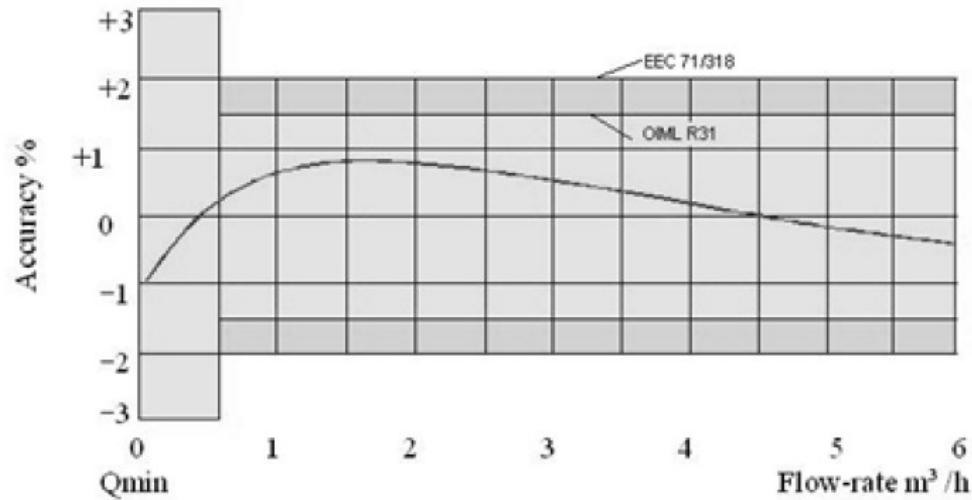
Mechanical drawing and performance characteristics

■ DIMENSIONS(MM):

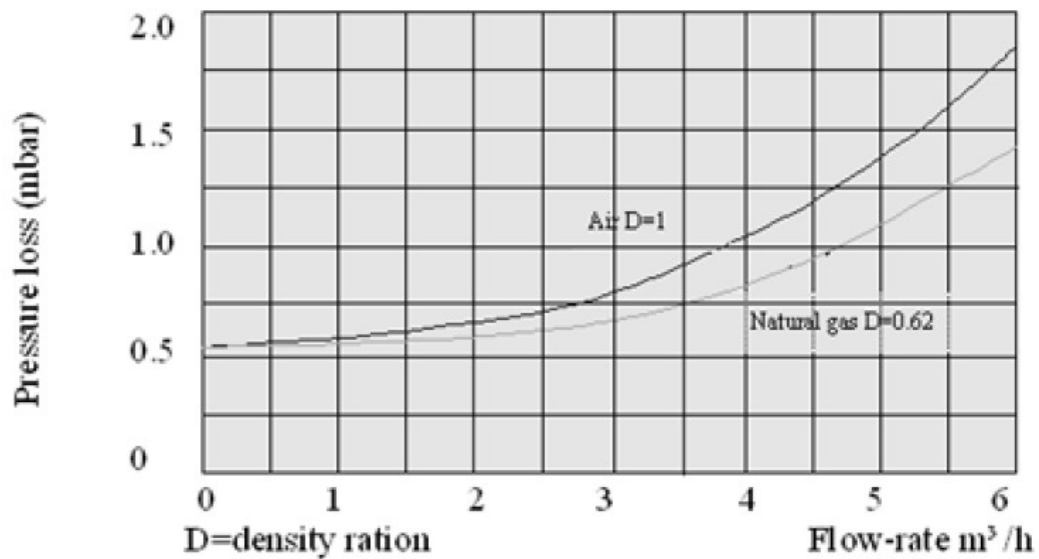


TOPIC ERROR CURVE

Dimensional drawing (mm)

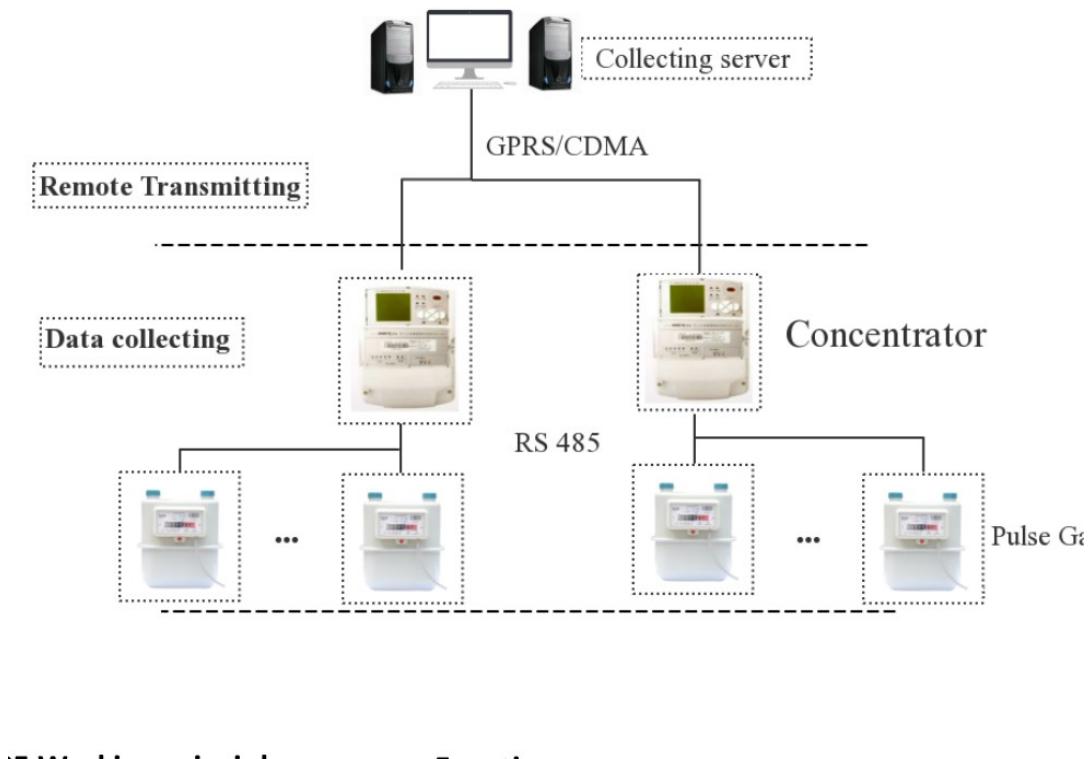


PRESSURE LOSS CURVE



Meter accuracy and pressure-loss reference curves

RS485 metering network



Applications and installation

- Applications stated in source: natural gas, biogas, LPG and other non-corrosive gases, subject to suitability confirmation.
- Install in a dry, suitable location and verify leak tightness before commissioning.
- Protect from impact, inversion and moisture during handling and storage.
- Confirm connection, operating conditions and local regulatory requirements before installation.

Standards and technical notes

The source brochure references EN 1359, OIML R 137 and MID 2004/22/EC. These are supplier-stated references, not independent proof of GasIQ certification. Obtain applicable test reports and certificates for the exact supplied model before representing compliance to a customer or authority.

Specifications transcribed from the provided supplier datasheet. Final values, optional valve features, interface settings and drawings must be confirmed against the approved production model.