

# Atmos<sup>®</sup> - Compact type gas meter

## Two-pipe Diaphragm gas meter G1.6MS | G2.5MS



Center distance 110mm



Center distance 130mm

Solid build quality, high accuracy, safety and a series of advanced technical details make the Atmos<sup>®</sup> diaphragm gas meter a high-grade measuring instrument. The Diaphragm gas meter is available in sizes G1.6 and G2.5. The meter is characterized by precise measurements, a constant measuring stability, a long life and high reliability. Thanks to the use of high-grade materials, the diaphragm gas meter is resistant to corrosion.

The gas meter is suitable for various gas media. The integrated calibration system coordinates the movement of the valves in relation to the optimum gas flow. The excellent linearity of the error curve is guaranteed even at low flow rates. Due to the optimum rotating characteristics of the valves the Q<sub>min</sub> value remains stable and the gas meter is resistant to contamination.

The Atmos<sup>®</sup> compact type diaphragm gas meter meets the requirements of the EN1359:1998/A1:2006 and OIML R137-1 (2012) standards.

### Sizes:

G1.6MS : 0.016 m<sup>3</sup>/h to 2.5 m<sup>3</sup>/h

G2.5MS : 0.025 m<sup>3</sup>/h to 4 m<sup>3</sup>/h

### Gas media:

- Natural gas
- Town gas
- Liquid gas
- Methane gas

### Housing material:

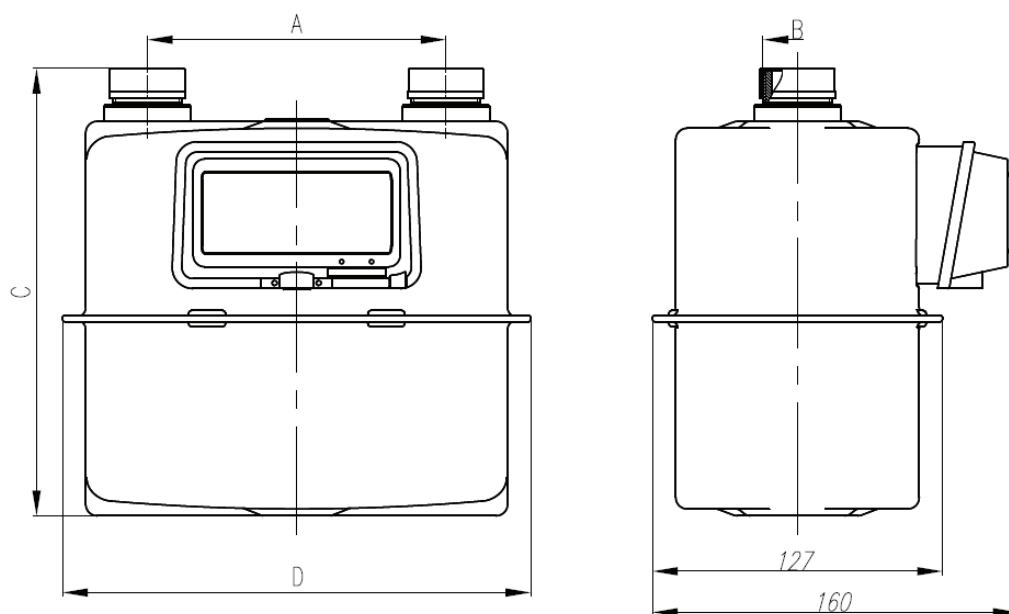
Galvanized steel sheet

### Performance characteristics

- Approved in accordance with MID by NMI
- Integrated system to adjust the error curve
- 0.8dm<sup>3</sup> cyclic volume, suitable for the demand of G1.6 and G2.5
- Long-term accurate measurement
- Galvanized steel powder-coated housing for maximum corrosion resistance
- Fire resistant (HTB) up to 0.1 bar according to EN1359
- Working temperature range: -25 °C to +55 °C
- Anti-corrosion performance
- Starting flow ≤ 1 dm<sup>3</sup>/h
- Retrofittable with pulser

Technical data Atmos® G1.6MS | G2.5MS

Type			G1.6MS	G2.5MS
Nominal flowrate	$Q_n$	m <sup>3</sup> /h	1.6	2.5
Maximum flowrate	$Q_{max}$	m <sup>3</sup> /h	2.5	4
Minimum flowrate	$Q_{min}$	m <sup>3</sup> /h	0.016	0.025
Maximum operating pressure			0.5	0.5
Maximum permissible errors	$0.1 Q_{max} \leq Q \leq Q_{max}$ $Q_{min} \leq Q < 0.1 Q_{max}$		± 1.5% ± 3%	± 1.5% ± 3%
Max. pressure loss	mbar		≤ 2	≤ 2
Display range max.	m <sup>3</sup> /h		99999.9998	99999.9998
Display range min.	m <sup>3</sup> /h		0.0002	0.0002
Accuracy class	class		1.5	1.5
Cyclic volume	dm <sup>3</sup>		0.8	0.8
Pulse value	m <sup>3</sup> /pulse		0.01	0.01
Weight	kg		1.55	1.55



Dimensions Diaphragm gas meter Atmos® G1.6MS | G2.5MS

A	[mm]	110 ± 0.50	130 ± 0.50		
B	M30 x 2 - 6 g	M26 x 1.5 - 6 g	G $\frac{1}{4}$ B	G $\frac{1}{2}$ B	NPT $\frac{3}{4}$ "
C	[mm]	189	195		
D	[mm]	184 @ A=110	204 @ A=130		