



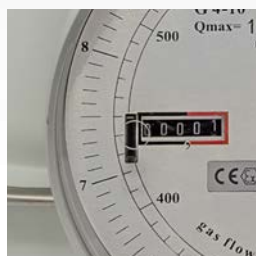
BESSEL

DATA SHEET

Product G 4-10

SERIES G 4-10

VOLUMETRIC FLOW METER - DRY TYPE





The laboratory diaphragm gas meter G 4-10 is a compact instrument, designed to meet the highest requirements in terms of measurement accuracy and safety.

KEY FEATURES

Long-term stability

Compact

Resettable counter

Maintenance-free

Very Low Noise

ATEX certified

TECHNOLOGY

High-quality dry type gas meter with synthetic diaphragms

ACCURACY

Measurement Accuracy < 1%

TYPICAL APPLICATIONS

Laboratory

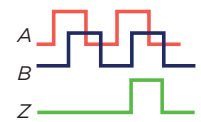
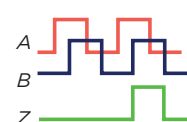
Test-benches

Precision measurement applications

Industrial applications



OPTIONS



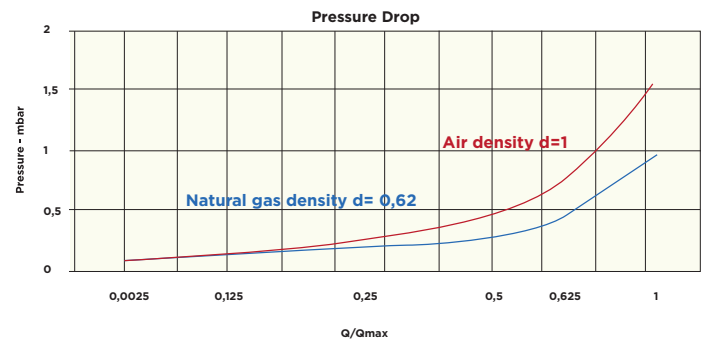
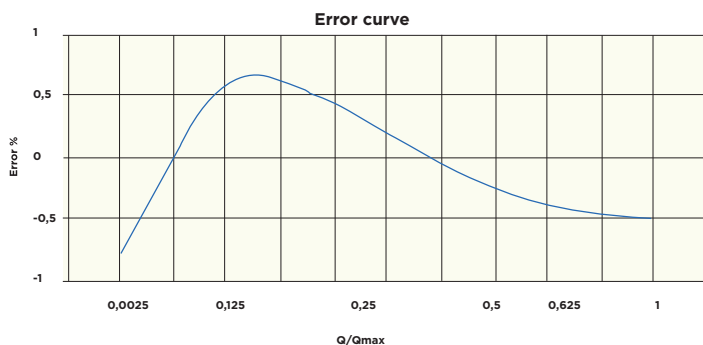


SPECIFICATIONS - FLOW RATE RANGES

Series	Qmax [m ³ /h]	Qmin [m ³ /h]	V [dm ³]	Qmin / Qmax
G 4-10	10	0.04	6	1:250
	16	0.04	6	1:400
	25	0.04	6	1:625

PERFORMANCES

Measurement Accuracy	Temperature Range	Max. gas Inlet pressure	Max. differential pressure	Min. dial division
<1%	-20 to 40 °C	500 mbar	<2 mbar	0.1 L



GAS APPLICATIONS

The laboratory diaphragm gas meter G 4-10 is used with non-aggressive gases, city gas, propane, oxygen, helium, methane, hydrogen, butane, ethylene, air, nitrogen and inert gases, according to EN 437.



INSTALLATION TIPS

The meter is ready for use after the input and output connections have been connected to the gas line in series with the apparatus under test. It is suggested to check the connections and the tightness of the lines of the connected equipment, before starting the test.



OPERATION

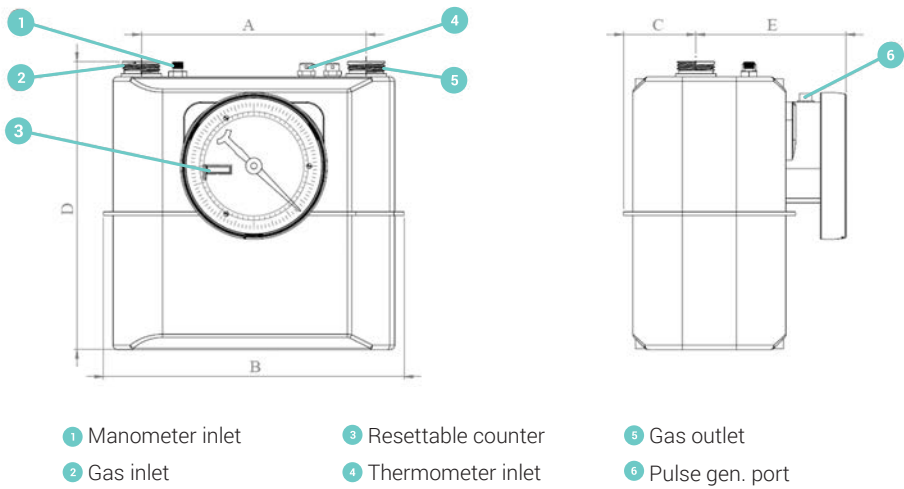
When used to control a gas meter, G 4-10 should be connected upstream of the instrument under test.

If the meter is under pressure, do not tamper with the pressure device or the temperature pockets, danger of gas leakage.

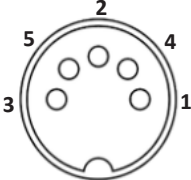


DIMENSIONS AND CONNECTIONS

Series	Qmax	Dimensions [mm]					Weight	DN	
	[m³/h]	A	B	C	D	E	[kg]	[mm]	[in]
G 4-10	10	250	312	85	320	167	6	32	1 1/4
	16	250	312	85	320	167	6	32	1 1/4
	25	280	330	108	405	160	7	50	2



PULSE GENERATOR (OPTION)

Pulse generator type	MF sensor - (Namur)	Encoder standard	Encoder ATEX
Standard	DIN EN 50227	-	-
Power Supply	8 VDC	8 - 24 VDC	5 - 24 VDC
Current absorption	Active area free, $I \geq 3 \text{ mA}$ Active area covered, $I \leq 1 \text{ mA}$	< 40 mA	< 40 mA
Pulses / Liter	1	36, 100, 360	
Plug Type  DIN conn. male 5 poles	1 Out/- 2 Vdc/+ 3 n.c. 4 n.c. 5 n.c.	1 Gnd/- 2 Chann. Z 3 Chann. A 4 Vdc/+ 5 Chann. B	