



DM-ALU / DM-ST G1.6 - G2.5 - G4



RESIDENTIAL ALUMINIUM & STEEL BODY
DIAPHRAGM GAS METER

DM-ALU / DM-ST G1.6 - G2.5 - G4



Description

The DM-ALU and DM-ST gas meters combine a high accuracy, stability and reliability of measurement.

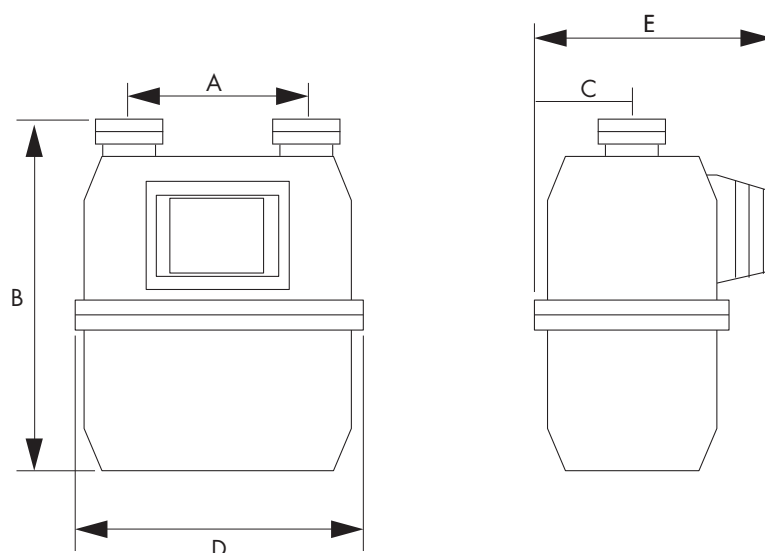
The measurement group have a high precision metrology, a high quality of the materials used and a low pressure absorption. Cases are in diecast aluminum (Pmax 2 bar) or in steel (Pmax 0,5 bar).

The DM-ALU and DM-ST can be used for the precise measurement of natural, manufactured, propane and other not corrosive gases.

Standard features

- Ultracompact design with 110mm d.b.c.
- High measuring accuracy
- Operating pressure up to 2 bar (ALU) or 0,5 (ST)
- Tested up to 3 bar (ALU) or 0,75 (ST)
- CE-MID approved according EN 1359
- Slot for retrofit LF pulse generator
- Backstop safety system
- Self lubricated moving parts
- Anti corrosion body and connections
- Magnetic coupling (no risk of leak by mechanical drive).

Technical features



Material	Model	Case	V cyclic	Connections	Flow m ³ /h		P _{max} bar	Weight Kg	Dimensions mm				
			dm ³	DN	Q _{min}	Q _{max}			A	B	C	D	E
DM-ALU	G1.6	Aluminium	0,9	3/4" gas	0,016	2,5	2	1,3	110	203	63	182	156
DM-ALU	G1.6	Aluminium	0,9	1/2" gas	0,016	2,5	2	1,3	110	203	63	182	156
DM-ALU	G2.5	Aluminium	0,9	3/4" gas	0,025	4	2	1,3	110	203	63	182	156
DM-ALU	G2.5	Aluminium	0,9	1/2" gas	0,025	4	2	1,3	110	203	63	182	156
DM-ST	G1.6	Steel	0,9	3/4" gas	0,016	2,5	0,5	1,4	110	202	63	195	163
DM-ST	G1.6	Steel	0,9	1/2" gas	0,016	2,5	0,5	1,4	110	202	63	195	163
DM-ST	G2.5	Steel	0,9	3/4" gas	0,016	2,5	0,5	1,4	110	202	63	195	163
DM-ST	G2.5	Steel	0,9	1/2" gas	0,016	2,5	0,5	1,4	110	202	63	195	163
DM-ST	G4	Steel	1,2	3/4" gas	0,40	6	0,5	1,5	110	219	66	195	163
DM-ST	G4	Steel	1,2	1 1/4" gas	0,40	6	0,5	1,5	110	219	66	195	163

Technical data

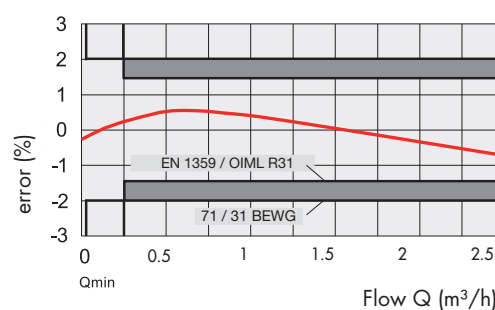
Qmin	0,016 (G1.6) - 0,025 (G2.5) - 0,040 (G4)
Qmax	2,5 (G1.6) - 4 (G2.5) - 6 (G4)
Qstart	0,005 m³/h
Cyclic volume	0,9 dm³ (G 1.6 - G2.5) 1,2 dm³ (G4)
Max working pressure	2 bar (alu) - 0,5 (ST)
Temperature range	-25 °C ÷ +55°C
Index digits	99999,999 m³
Approvals	CE-MID ; EN 1359

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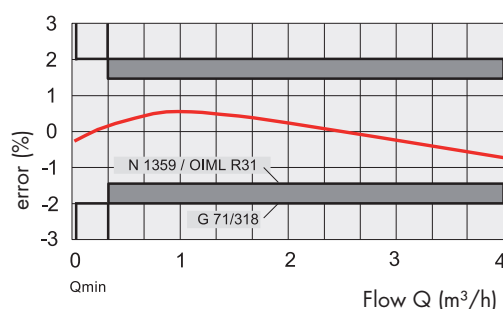
Typical error curve

The use of high quality materials and very high quality setting of each meter, make high stable the error curve during life time.

UG G 1.6 ALU UG G 1.6



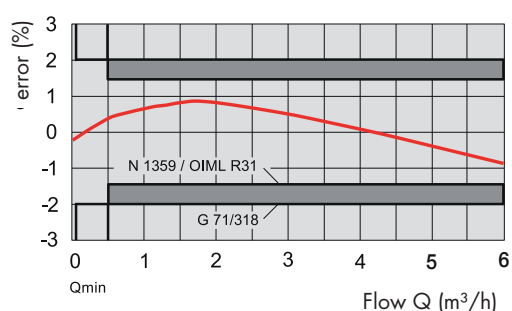
UG G 2.5 ALU UG G 2.5



Pressure loss curve

The precision machining of internal moving parts surface, minimize pressure losses and noise level.

UG G 4 ALU UG G 4





MANUFACTURING & DISTRIBUTION



Diaphragm
gas meters



USM Residential and
C&I smart gas meters



Rotary gas meters



Smart electronic
volume converter



Gas pressure
regulators

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