



## SERIES BSM

### VOLUMETRIC FLOW METER - WET TYPE





The laboratory gas meter series BSM is a compact instrument, designed to meet the highest requirements in terms of measurement accuracy and safety.

## KEY FEATURES

Stainless-steel body

Long-term stability

Compact

Resettable counter

Maintenance-free

Very Low Noise

## TECHNOLOGY

High-quality wet type gas meter

## ACCURACY

Measurement Accuracy < 0.5%

## TYPICAL APPLICATIONS

Laboratory

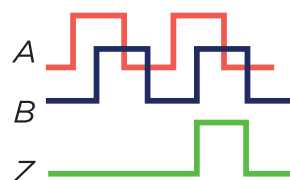
Test-benches

Precision measurement applications

Industrial applications



## OPTION



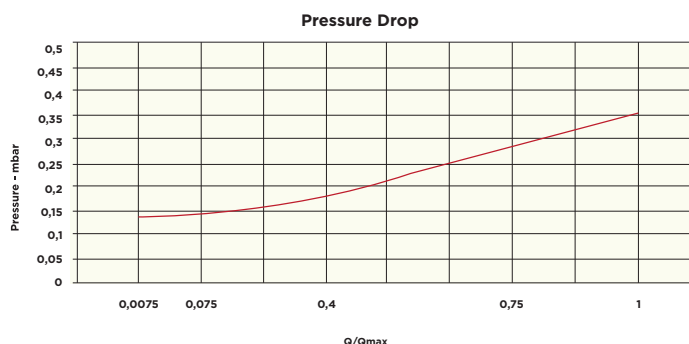
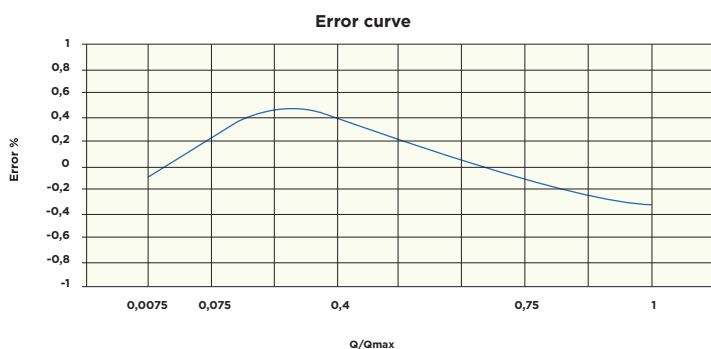


## SPECIFICATIONS - FLOW RATE RANGES

Model	Qmax [m³/h]	Qmin [m³/h]	V [dm³]	Qmin/Qmax
BSM - 0	0.2	0.005	1	1:40
BSM - 0 Special Version	0.26	0.002	1	1:130
BSM - 1	1.25	0.02	5	1:62

## PERFORMANCES

Measurement Accuracy	Temperature Range	Max. gas Inlet pressure	Max. differential pressure	Min. dial division
< 0.5%	15 to 50 °C	50 mbar	< 0.5 mbar	0.01 L



### GAS APPLICATIONS

The wet type gas meter BSM is used with non-aggressive gases, city gas, propane, oxygen, helium, methane, hydrogen, butane, ethylene, air, nitrogen and inert gases in 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, BSM should be connected upstream of the instrument under test.

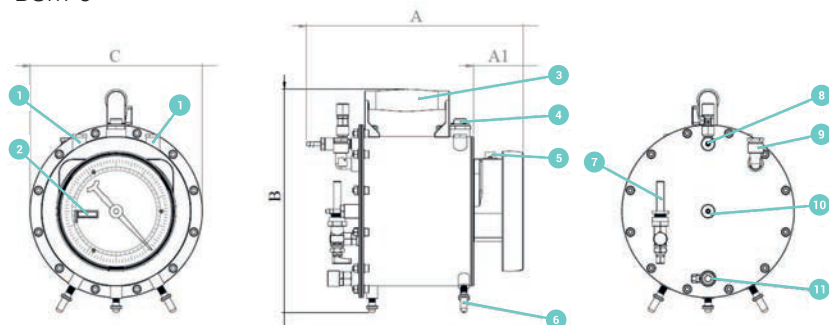
*If the meter is under pressure, do not tamper with the pressure device or the temperature pockets, danger of gas leakage.*



## DIMENSIONS AND CONNECTIONS

Model	Dimensions [mm]				Weight [kg]	DN		
	A	A1	B	C		Connections	mm	in
BSM - 0 (including special version)	295	68	303	234	6.7	1	-	1/4
						8-10	Ø 12 hose barb fitting	-
						9-11	10	3/8
BSM - 1	350	68	365	335	11	1	-	1/4
						8-10	-	1
						9-11	10	3/8

BSM-0



① Thermometer/manometer inlet

② Resettable counter

③ Handle

④ Level

⑤ Pulse gen. port

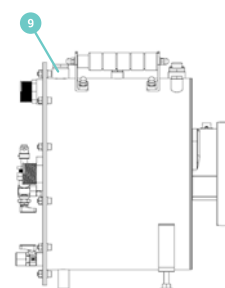
⑥ Levelling foot

⑦ Filling level indicator

⑧ Gas outlet

⑨ Filling liquid inlet

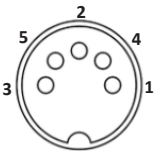
BSM-1



⑩ Gas inlet

⑪ Drainage spigot

## PULSE GENERATOR (OPTION)

Pulse generator type	Encoder standard										
Standard	-										
Power Supply	8 - 24 VDC										
Current absorption	< 40 mA										
Pulses / Liter	360, 1000, 3600 (BSM - 0)										
	72, 200, 720 (BSM - 1)										
Plug Type  DIN conn. male 5 poles	<table><tr><td>1</td><td>Gnd/-</td></tr><tr><td>2</td><td>Chann. Z</td></tr><tr><td>3</td><td>Chann. A</td></tr><tr><td>4</td><td>Vdc/+</td></tr><tr><td>5</td><td>Chann. B</td></tr></table>	1	Gnd/-	2	Chann. Z	3	Chann. A	4	Vdc/+	5	Chann. B
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