

# THERMAL MASS FLOW METER - OS 415

## DESCRIPTION

OS 415 is based on the thermal mass flow principle. It measures flow and consumption directly at the point of use independent of pressure and temperature. Both versions come standard with Service App to help the user quickly and easily to check the readings or adjust the settings.



## TECHNICAL SPECIFICATION

### OS 415

	Inner thread	Nm <sup>3</sup> /h	scfm
Measuring range *	DN8	15	8.8
	DN15	60	35.3
	DN20	120	70.6
	DN25	210	123.6
Accuracy (@ 6 bar, 20°C, rh < 40%)	3% of reading		
Turndown ratio	50:1		
Pressure range	0 ... 10 bar		
Measured gas	Air, N <sub>2</sub>		
Ambient conditions	0 ... +50°C		
Transport temperature	-30 ... +70°C		
Response time – T <sub>90</sub>	1 s		
Power supply	18 ... 30 VDC / 120 mA		
Electrical connection	2 x M8 (4 poles)		
Output signal	Analogue 4 ...20 mA, pulse Modbus		
Casing	PC + ABS		
Classification	IP54		
Interface	Wireless (Service App)		
Data logger	/		

\* Stated flow values are at standard conditions of P=0.1 MPa(a) and T=20°C with medium air

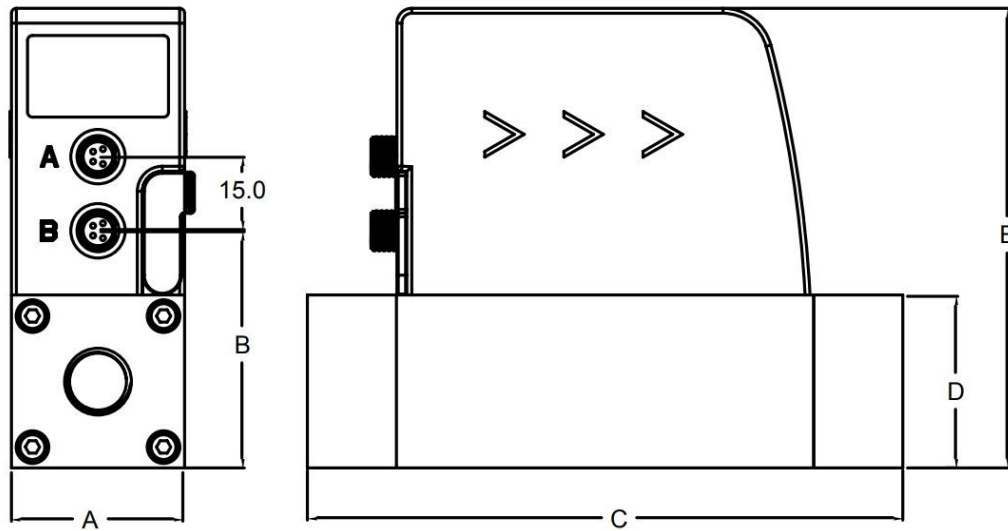
\*\* Sensors are calibrated in air. On request calibration can be performed in other gases.

**DIMENSIONS**

	A	B	C	D	E
<b>DN8 / DN 15</b>	35	48	120	35	93
<b>DN20 / DN25</b>	48	61	178	48	106

\* G inner thread

\*\* Dimensions are in milimeters



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	<p>Our quality management system is certified by BUREAU VERITAS in conformity with ISO 9001:2008 Reg. number: 200285</p>	
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