

OS 415, OS 418

THERMAL MASS FLOW METER



0 - 10 bar
operating pressure

0 to +50 °C
operating temperature

DESCRIPTION

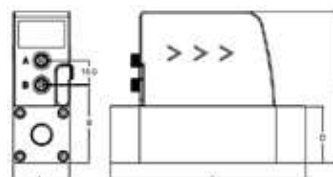
OS 415/418 is based on the thermal mass flow principle. It measures flow and consumption directly at the point of use independent of pressure and temperature. Both versions come standard with Service App to help the user quickly and easily to check the readings or adjust the settings.

		OS 415		OS 418	
		Nm ³ /h	scfm	Nm ³ /h	scfm
Measuring range *	DN8	15	8.8	15	8.8
	DN15	60	35.3	60	35.3
	DN20	120	70.6	120	70.6
	DN25	210	123.6	210	123.6
Accuracy		3% of reading		1.5% of reading	
Turndown ratio		50:1		100:1	
Pressure range		0 ... 10 bar 0 ... 145 psi			
Measured gas		Air, N ₂		Non-corrosive gases	
Ambient conditions		0 ... 50°C			
Transport temperature		-30 ... +70°C			
Response time – T ₉₀		1 s		0.1 s	
Power supply		18 ... 30 VDC / 120 mA			
Electrical connection		2 x M8, 4 poles			
Output signal (only one)		4 ... 20 mA and pulse (isolated), RS-485 (Modbus RTU)			
Casing		Aluminium alloy, PC + ABS			
Classification		IP54			
Interface		Wireless (Service App)		Wireless (Service App), USB for logger read out	
Data logger	Samples	/		10 000 000	
	Channels			Up to 3	
	Sampling rate			1 s ... 1 h	
Pressure option	Range	/		0 ... 10 bar	
	Accuracy			1% F.S.	

* 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.

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



APPLICATIONS

- Compressed air systems