

VPFlowScope In-line 3/8"

The VPFlowScope In-line 3/8" is the perfect solution to measure low flows of compressed air, oxygen or nitrogen. Getting insight leads to optimization of your air/gas system, reduction of consumption and you can allocate costs.



The VPFlowScope In-line 3/8" measures flow, total flow and temperature. Thanks to the patented Thermabridge™ technology, the VPFlowScope In-line can perform bi-directional flow measurements. The built-in display will show the actual and total flow, and the Modbus and analog 4 .. 20 mA outputs enable you to interface with VPVision or other monitoring systems.

Highlights

- > Measures flow, total flow and temperature simultaneously
- > Bi-directional flow measurement
- > Patented Thermabridge™ technology for dry, clean gas measurements
- > RS485 (Modbus RTU) + 4..20 mA output
- > 2-line TFT display with real-time information and configuration keys
- > Power and communication LEDs
- > Easy to install and compact size

Applications

- > Point of use in compressed air systems
- > Output of oxygen and nitrogen generators
- > Consumption measurement
- > Leakage measurement
- > Cost allocation and measuring your distribution network



Common industries

- > Medical use
- > Fish farms
- > Metal processing and mini-steel mills
- > Cement and lime manufacturers
- > Pulp and paper industry
- > Mining and gold processing
- > Wastewater treatment
- > Glass manufacturers

SPECIFICATIONS	
Measuring principle	Thermabridge™ thermal mass flow sensor
Flow range*	2.15..50 l/min 0.09..1.77 CFM
Accuracy	5% of full scale under calibration conditions
Temperature sensitivity	< 1% of measured value per °C
Reference conditions	0°C, 1013.25 mbar 32 °F, 14.65 psi - DIN 1343
Gases	Oxygen, nitrogen and compressed air
Gas temperature range	0..50 °C 32..122 °F (optimized for 20..32 °C 68..89.6 °F)
Display type	1.8" TFT color with auto power save
LED status	LED indicators on all models for power and communication
Outputs	RS485 (Modbus RTU), 4..20mA
Material	Brass**, polycarbonate
Wetted materials	Brass**, Ceramic, Polyurethane, Viton
Protection grade	IP54 NEMA 3
Ambient temperature	0..50 °C 32..122 °F
Ambient humidity	0..95 %. Avoid condensation at all times
Pressure rating	10 bar 150 psi gage
Electrical supply	14 VDC .. 24 VDC +10% CLASS 2 (UL)
Power consumption	1 Watt (no flow) 3.5 Watt (full flow) +/- 10%
Certification CE	EN 60950-1, EN 61326-1, EN 61000-3-2, EN 61000-3-3, EN 61326-1

* Other ranges upon request

**Other sensor body materials available on request

ORDER CODE



VPS.R003.M038.D10

VPFlowScope In-line 3/8"

Options:

- > VPX.070.000: Oil and grease-free product cleaning. Labeled and packed in double-sealed bags.

easy insight into energy flows™



VPInstruments

Buitenwatersloot 335, 2614 GS Delft, The Netherlands, T +31 (0)15 213 15 80, info@vpinstruments.com