

ENERGY MANAGEMENT SOLUTIONS

For compressed air and industrial gases



1 VPFlowScope M

The VPFlowScope® M is a three-in-one flow meter for compressed air and technical gases. It measures flow, pressure and temperature simultaneously. Unlike traditional flow meters, the VPFlowScope M consists of a transmitter and the patented VPSensorCartridge® which reduces recalibration to a simple exchange.



Flow	0.5 ... 150 m _n /sec 0 ... 500 sfps
Accuracy	2% of reading under calibration conditions
Bi-directional	Optional
Display	Optional
Pressure	0 ... 10 bar 0 ... 145 psi gauge
Temperature	0 ... 60 °C 32 ... 140 °F
Gas types	Compressed air, nitrogen and inert, noncondensing gases
Outputs	RS485 (Modbus RTU) 4 ... 20 mA or pulse or alarm Mini USB, Ethernet Wi-Fi optional
Probe length	340 mm 13.4"
Power supply	12 ... 24 VDC
Approvals	CE, (C)UL

1 VPFlowScope Probe

The VPFlowScope® Probe is the number one measurement tool for compressed air audits and fixed installations. You can combine the probe with either of two display module types or a connector cap without display. With the VPFlowScope Probe you can measure virtually any compressed air system using a single instrument.

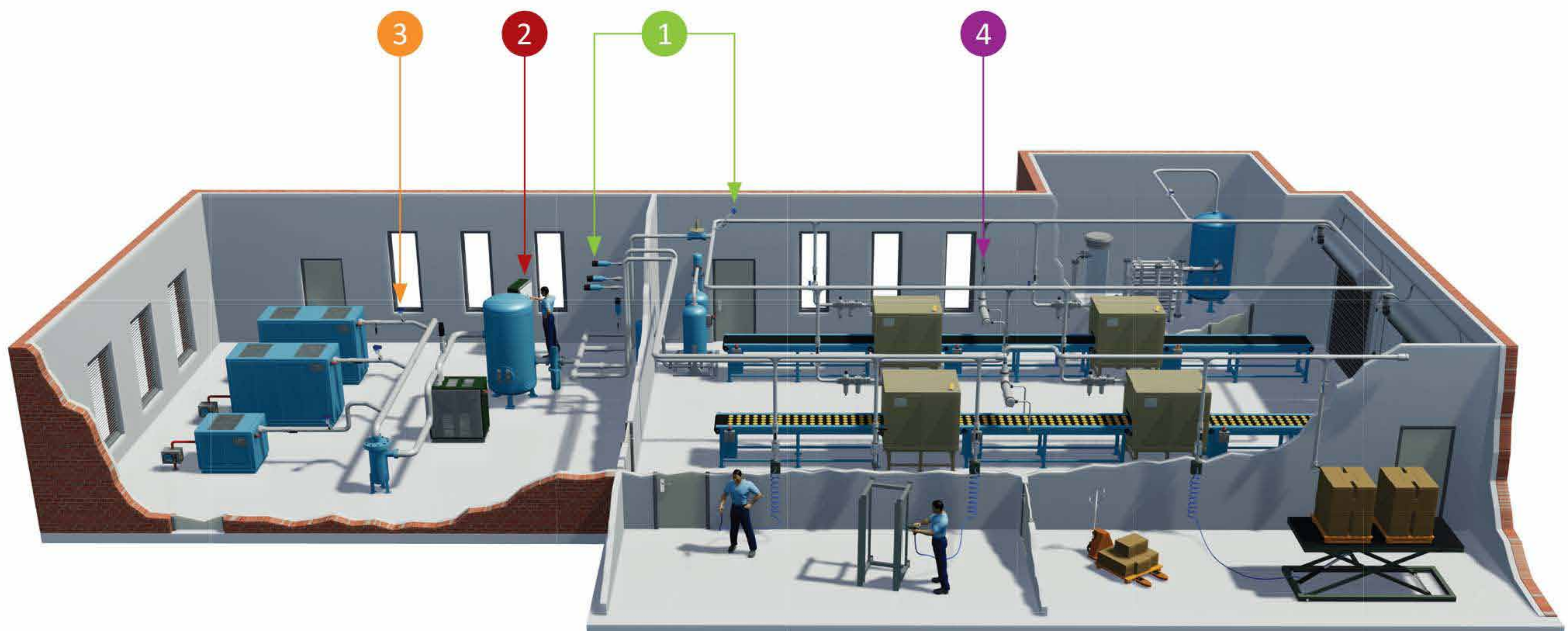


Flow	0.5 ... 150 m _n /sec 0 ... 500 sfps
Accuracy	2% of reading under calibration conditions
Bi-directional	Optional
Display	Optional
Pressure	0 ... 16 bar 0 ... 250 psi gauge (35 bar on request)
Temperature	0 ... 60 °C 32 ... 140 °F
Gas types	Compressed air, nitrogen and inert, noncondensing gases
Outputs	RS485 (Modbus RTU) 4 ... 20 mA or pulse
Probe length	400 mm 15" (300, 600 mm on request)
Power supply	12 ... 24 VDC
Approvals	CE, (C)UL

2 VPVision

VPVision is the complete monitoring solution for compressed air, technical gases and energy management. Get a grip on your usage and see the patterns of compressed air between your supply and demand side. VPVision makes energy savings easy, quick and rewarding.

Using the latest web technology, it enables you to view data anywhere at any time. VPVision analyzes flow data and makes your savings potential transparent. VPVision is primarily developed for compressed air management, but can also be used to collect real-time data from other utilities.



3 VPFlowScope DP

The patented VPFlowScope® DP is the ultimate measurement tool for wet compressed air flow measurements. The unique design enables you to take measurements in the discharge pipe of a compressor under 100% saturated conditions. You can combine the probe with either of two display module types or a connector cap without display.



Flow	20 ... 200 m _n /sec 65 ... 650 sfps
Accuracy	2% of reading over 1:10 range, under calibration conditions
Bi-directional	Standard
Display	Optional
Pressure	0 ... 16 bar 0 ... 250 psi gauge
Temperature	-40 ... +150 °C -40 ... +320 °F, icing should be avoided
Gas types	Wet compressed air, dry compressed air, nitrogen and inert gases
Outputs	RS485 (Modbus RTU) 4 ... 20 mA or pulse
Probe length	400 mm 15"
Power supply	12 ... 24 VDC
Approvals	CE, (C)UL

4 VPFlowScope in-line

The VPFlowScope® in-line is the ideal flow meter for point of use consumption measurement. It measures mass flow, temperature and pressure simultaneously and in both directions. The VPFlowScope in-line is perfect for smaller diameters where it produces all the data you need to optimize your compressed air consumption.



Flow 0.5 inch	0.32 ... 80 m _n ³ /hr 0.19 ... 50 SCFM
Flow 1 inch	0.88 ... 250 m _n ³ /hr 0.52 ... 150 SCFM
Flow 2 inch	2.86 ... 1000 m _n ³ /hr 1.68 ... 600 SCFM
Accuracy	0.5% FSS with calibration report under calibration conditions with air
Bi-directional	Optional
Display	Optional
Pressure	0 ... 16 bar 0 ... 250 psi gauge (35 bar on request)
Temperature	0 ... 60 °C 32 ... 140 °F
Gas types	Air, nitrogen, carbon dioxide, argon (noncondensing)
Outputs	RS485 (Modbus RTU) 4 ... 20 mA or pulse
Power supply	12 ... 24 VDC
Approvals	CE, (C)UL

VPInstruments

energy **insights** trusted by professionals™

VPInstruments offers industrial customers easy insight into energy flows. We believe that industrial energy monitoring should be easy and effortless to enable insight, savings and optimisation.

VPInstruments products are recommended by leading energy professionals worldwide and offer the most complete measurement solution for compressed air flow, gas flow and electric energy consumption. Our monitoring software VPPVision can be used for all utilities and enables you to see where, when and how much you can save.

Our products can be found all over the world. We serve all industrial markets; for example automotive, glass manufacturing, metal processing, food and beverage and consumer goods. We can help your industry too. Let us help you to open your eyes and start saving energy.

Proudly serving leading companies worldwide

Through our distributors and dealers, we serve clients worldwide to save on compressed air energy costs. A small selection of end users: Astrum UK (Steel castings), IKEA (Wholesale), GSK (Medicines), Kikkoman Foods, Libbey (Glass), Mars (Food), Samsung (Consumer goods), Nestlé (Food), O&I (Glass), Philips (Consumer goods), Rexam (Glass), Toyota (Automotive).



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