

VP Instruments

VPFlowScope® M

All-in-one flow meter for compressed air and technical gases



With the VPFlowScope® M you are ready for the future. This next-generation flow meter is Industry 4.0/IOT ready. Next to 4 .. 20 mA and RS485 (Modbus RTU), it also has a built-in Ethernet (Modbus/TCP) interface, making it easy to connect directly to any network. It can be installed under pressure and measures (bi-directional) thermal mass flow, pressure, temperature and total flow simultaneously. Unlike traditional flow meters, the VPFlowScope M does not require traditional recalibration, where you have to ship the unit back. Instead, the VPFlowScope M consists of a Transmitter and the patented VPSensorCartridge® which reduces recalibration to a simple exchange.

Highlights & Features:

- Four sensors in one instrument
- For compressed air and technical gases
- VPSensorCartridge®: no more recalibration required
- Ethernet interface: Industry 4.0/IOT ready

- Ultra-compact size and low weight
- Ethernet (Modbus/ TCP)
- RS485 (Modbus RTU)
- 4..20 mA linearized, pulse mode or alarm output
- USB interface for configuration and downloading of data log files

⚙️ Typical Applications:

- Demand-side compressed air monitoring
- Air audits
- Submetering of compressed air
- Ring networks (bi-directional)
- Industrial gas monitoring (air, nitrogen, carbon dioxide, argon and other dry, noncorrosive industrial gases)
- Cost allocation
- Leak detection



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