



Technical specifications

Measurement & control

Type of media	liquids water-like
Flow range	min. 5...100 mg/h max. 0,1...2 g/h (liquid, flow based on H ₂ O)
Accuracy	±2% FS (based on sensor max)
Repeatability	< 0.2% FS (typical H ₂ O)
Turndown ratio	up to 1:20
Settling time (in control, typical)	2 sec.
Control stability	±0.1% FS/°C
Response time (sensor)	≤ 2 sec.
Operating temperature	5...50 °C
Fluid temperature	5...50 °C
Temperature sensitivity	±0.2% FS/°C
Leak integrity, outboard	< 2 × 10 ⁻⁹ mbar l/s He
Max. Kv-value	2,37×10 ⁻³
Mounting	in any position
Warm-up time	30 minutes
Storage/transport conditions	0...50 °C, max. 95% RH (non-condensing)

Approvals

Marking	CE, RoHS, WEEE, REACH
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Mechanical specs

Pressure rating (PN)	100
Ingress protection	IP40
Material wetted parts	stainless steel 316L, Sandvik
Housing material	high-grade anodised aluminium alloy 3.2515 (body), duplex 1.4462 (flange), ABS/stainless steel 1.4404 or comparable (cover)
Sealing material	FFKM/Kalrez®-6375
Sensor inner diameter	0.25 mm (20D); 0.25 mm (50S); 0.8 mm (60S); 1.2 mm (70S); 1.0 mm (80S)
Process connections	1/16" or 1/8" OD compression type fittings
Purge connection	1/16" OD compression type
Max. ΔP	10 bar(d)
Weight	0.6 kg

Electrical properties

Power supply	15...24 Vdc ±10%
Power consumption	3.5 W typical at 24 V for fieldbus: add 0.9 W
Analog output	0...5 (10) Vdc or 0 (4)...20 mA (sourcing)
Analog setpoint	0...5 (10) Vdc or 0 (4)...20 mA (sinking)
Digital communication	standard: RS232; options: DeviceNet™, CANopen®, PROFIBUS DP, Modbus RTU/ASCII, FLOW-BUS, EtherCAT®, PROFINET, Modbus/TCP, EtherNet/IP, POWERLINK

Electrical interfaces

Power (main connector)	9-pin D-sub (male)
Function (instrument connector)	Analog, RS232, RS485
PROFIBUS DP	9-pin D-sub (female)
CANopen / DeviceNet	5-pin M12A (male)
Modbus RTU/ASCII/FLOW-BUS	RJ45
Modbus TCP / EtherNet/IP / EtherCAT® / PROFINET / POWERLINK	2x RJ45