MASS-STREAM

D-6460

Direct Thermal Mass Flow Meter for Gases, IP65 protected





Mechanical specs

Pressure rating (PN)	20
Ingress protection	IP65
Material wetted parts	Aluminum EN AW-6082-T6 or stainless steel SS316, elastomer seals
Sealing material	standard: FKM/Viton® options: EPDM, FFKM/Kalrez®, FDA and USP Class VI approved compounds
Process connections	1/2" BSPP female tread (ISO1179-1); compression type or face seal (VCR/VCO) couplings
Weight	Aluminum: 1.0 kg; Stainless steel: 1.5 kg

Electrical properties

Power supply	+1524 Vdc ± 10 %
Power consumption	1.5 W typical at 24 V for fieldbus: add + 0.9 W for display: add + 0.5 W
Analog output	05 (10) Vdc or 0 (4)20 mA (sourcing)
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Digital communication	DeviceNet™, EtherCAT®, PROFIBUS DP, PROFINET, Modbus (RTU, ASCII or TCP/IP),

Electrical interfaces

Power (main connector)	8-pin DIN (male)
Function (main connector)	Analog, RS232, RS485
PROFIBUS DP	8-pin M12B (female)
CANopen / DeviceNet	5-pin M12A (male)
Modbus RTU/ASCII/FLOW-BUS	5-pin M12A (male)
Modbus TCP / EtherNet/IP / EtherCAT®/	2x 4 pin M12D (female)

PROFINET / POWERLINK

Technical specifications

Measurement & control

almost all gases and gas-mixes, compatible with chosen materials
min. 0.420 l _n /min max. 2200 l _n /min
±1.0% Rd plus ±0.5% FS
< ±0.2% FS
1:100
up to 8 calibration curves
approx. 0.9 seconds
0+50°C
±0.1% Rd/°C (Air)
< 2 x 10 ⁻⁸ mbar l/s He
±0.3% Rd / bar typical (Air)
at 90° deviation from horizontal max. error 0.2% at 1 bar typical N2
30 minutes
0+50°C, max. 95% RH (non-condensing)

Approvals

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