ROTAMETER MT3809-SERIEN

MT3810
Flow meter 3810



- High-/low-flow alarm functions, SIL2
- MT3809 and MT3810 feature a Weldneck-flange
- 316SS stainless steel, Hastelloy C276, Titan lk II
- Offers extremely wide range of flow ratings

PRODUCT DESCRIPTION

MT3809 Series Metal Tube Variable Area Flow Meters offer the widest temperature, pressure and process range. One proven flow meter.

Engineered to work where you need it: Choose the MT3809 variable area (VA) max flow meter (rotameter) for all the high-pressure, high-temperature VA flow measurement and control requirements on your next project.

Proven to deliver reliable, repeatable gas and liquid flow measurement and control in thousands of installed locations, the MT3809 is practical and economical, making it the “go-to” choice for Engineering Procurement Contractors (EPC) and major industrial facilities worldwide.

The MT3809G configuration features a digital LCD display with local operator interface, providing valuable process outputs such as totalization and alarm signals. It also lets users make parameter changes without removing the cover, which means changes can be made even in hazardous areas.

- Flow meter offers extremely wide range of flow ratings - supports very low to very high flow rates
- Temperature ratings from -325°F to 788°F (-198°C to 420°C)
- Pressure ratings up to 6,000 psi (standard products) and up to 20,000 psi (custom models)
- Enhanced LCD display with local operator interface (optional)
- High-/low-flow alarm functions that meet SIL 2 requirements
- 316SS stainless steel flameproof housing meets ATEX gas group IIC/Class 1 Div 1 hazardous area rating
- Selection of corrosion resistant wetted materials and indicator housing to fit demanding application needs
- Gasket sealing surface meets ASME requirements, no special gaskets required
- Flow transmitters are available with HART® 7 or FOUNDATION™ Fieldbus capability and have worldwide approvals

SPECIFICATIONS

Approvals	ATEX, CE, EAC, IECEx, NEMA, PED, SIL2
Control range	1:10
Data	Hart (Transmitter)
IP Class	IP66, IP67
Lowest flow	1200 m3n/h (Luft, atm)

Material of body	Aluminium, Stainless steel 316
Material of connection	Stainless steel 316L
Materials Float	Stainless steel 316L
Materials O-Ring	Buna, Kalrez, PTFE, Viton
Materials Wetted Parts	PTFE, Stainless steel 316L
Operating Voltage AC Max	220 V AC
Operating Voltage AC Min	110 V AC
Pressure Range Max	1380 bar
Sensor Material	Stainless steel 316L
Supply Voltage	24 V
Surface Finish	3.2 µm Ra
Temperature range of media from	-198 °C
Temperature range of media to	420 °C

