

## 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 Ix 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

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

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

