

Rosemount™ 8700 Series Magnetic Flow Meter

ENHANCED PROCESS INSIGHT AND MEASUREMENT
CONFIDENCE FOR THE CHEMICAL INDUSTRY



**SMART
METER
VERIFICATION**

The Rosemount™ 8700 Magnetic Flow Meter portfolio offers the pinnacle in reliability, driven by hardware features such as the all welded construction as well as diagnostic capabilities that verify the installation, process changes, and overall health of the meter. This leads to improved confidence in the meter reading and simplified installation, maintenance, and overall operation.



CERTIFIED AND APPROVED

The 8700M Magnetic Flow Meter portfolio is available with ATEX and EAC hazardous area certifications and meets NAMUR* standards.



EMERSON QUALITY

The 8700M portfolio offers the reliability, process insight, and intuitive configuration that customers expect from Rosemount™ Magnetic Flow Meters.

To learn more,
visit our website at:
www.Emerson.com/MagneticFlowMeters

*The NAMUR certification was the culmination of rigorous testing per an accredited 3rd party assessment. This recognition advances the position of Rosemount's suite of 8700 magnetic flow meter offerings to be deployable in European chemical industry applications.


EMERSON™

Rosemount™ 8700M Series Magnetic Flow Meter

RELIABLE BY DESIGN

- Transmitter dual compartment housing keeps the electronics fully isolated from moisture.
- Replaceable terminal block enables repair in the field.
- 316 stainless steel transmitter and sensor housing offering.
- Hermetically-sealed all-welded coil housing for protection against moisture ingress.

PROCESS INSIGHT

- SMART™ Meter Verification (SMV) provides a means of verifying the health of the flowmeter and provides an elevated level of confidence that readings are accurate.
- Process Diagnostics
- Electrode Coating identifies coating before it becomes an issue.
- Grounding/Wiring Fault recognizes if AC noise is affecting the flow reading.
- High Process Noise diagnostic and selectable coil frequency provide maximum signal stability.
- A 4-wire low power option is available.



Emerson's powerful diagnostic capabilities are complimented with our proprietary Smart Meter Verification. SMV works to validate the operation of the sensor and transmitter to ensure that you have confidence in the measurement. This helps to eliminate uncertainty, reduce costs, simplify compliance, increase uptime and improve quality.



Eliminate Uncertainty

On-demand or scheduled verification assures critical flow point measurement, meter health and stability



Reduce Costs

Saves thousands in expenses for labor and outsourced calibration services



Simplify Compliance

Establishes an audit trail for each meter with stored results



Increase Uptime

Confirms meter health and performance without removing the meter from the line or stopping process flow



Improve Quality & Safety

Avoid unnecessary trips to the field and testing procedures that break the process seals

INTUITIVE SOLUTION

- Universal Transmitter capabilities allow you to optimize your processes without requiring the replacement of functioning sensors..
- Available in ProLink® III, enabling easy printing of SMV reports.