

Rosemount Magnetic Flow meters

The Rosemount magnetic flowmeters deliver industry leading performance and improved reliability coupled with intelligent diagnostics that help users across a variety of industries

[Rosemount 8700 Magnetic Flowmeter Transmitters](#)



With best-in-class performance the Rosemount 8700 Magnetic Flow Transmitters are perfect for your process management needs

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Technology that Makes a Difference

The Rosemount 8700 Magnetic Flowmeter Transmitters have multiple diagnostics available. Best-in-Class performance coupled with advanced diagnostics provide unparalleled process management capabilities. With an optional backlit Local Operator Interface (LOI), configuration changes and adjustments can be accomplished even in hazardous locations without exposing the electronics to the environment.

- Advanced diagnostics give unparalleled information about process conditions and meter performance.
- Dual compartment housing design that meets the most stringent international standards and ensures reliability in any environment.
- Isolated Local Operator Interface (LOI) makes changes in the field safe and easy.
- Available in an integral or remote mount design.
- Specifications

Accuracy	Up to $\pm 0.15\%$ of volumetric flow rate accuracy over 13:1 flow turndowns, $\pm 0.25\%$ over 40:1 flow turndown
Diagnostic	In Situ Meter Verification, Grounding/Wiring Fault Detection, High Process Noise Detection, Tunable Empty Pipe Detection, Transmitter Fault Detection, Sensor Fault Detection
Compatibility	<ul style="list-style-type: none">• All Rosemount manufactured Sensors: 8705, 8711, 8721, 8707• Universal capabilities allow E-Series transmitters to be compatible with AC and DC powered sensors from other manufacturers.
Power Supply	90-220 V AC, 50-60 Hz or 12-42 V DC
Power Consumption	10 watts maximum
Enclosure Rating	<ul style="list-style-type: none">• 8732E: Type 4x, IEC 60529, IP66• 8712E: Type 4x, IP66

The Rosemount 8700 Magnetic Flowmeter Transmitters have an environmentally sealed compartment, making it ideal for harsh environment installations where moisture and contaminant infiltration is possible. With best in class performance, the 8700 transmitters provide more accurate and stable measurements in critical applications. In addition, the advanced diagnostic capabilities provide unparalleled value to users in many applications and industries.