ROSEMOUNT 8750W MAGNETIC FLOWMETER

Rosemount reliability for utility, water and wastewater applications

EMERSON.
Process Management

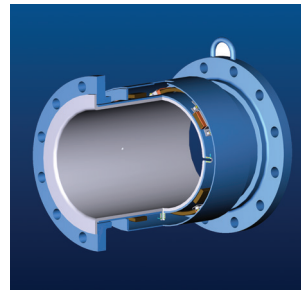# RELIABLE UTILITY & WATER MEASUREMENTS

The Rosemount 8750W offers reliability and advanced process insight in an intuitive, easy-to-use solution specifically designed for utility flow measurement.

This system is ideal for water distribution in any process plant, cooling and heating water, water management, influent and effluent flows, wastewater, and desalination, making it an economical solution for nearly any water- or utility-related application.

Reliability by Design

✔ Welded coil housing provides protection against moisture ingress and sustained vibrations

✔ Dual compartment transmitter housing keeps the electronics fully isolated from moisture and contamination

✔ Replaceable terminal block enables repair in the field

✔ Best solution for submersible applications; sensor rated to IP68

Fully welded coil housing   Isolated electronics

WATER   WASTEWATER   UTILITY FLOW

▶ Process Insight

✔ SMART™ Meter Verification (SMV) verifies the health of the flowmeter and provides a high level of confidence that readings are accurate

✔ Continuous SMV confirms meter calibration without interrupting the process

✔ Electrode Coating Diagnostic indicates when preventive maintenance is needed to avoid unexpected downtime

✔ Grounding/Wiring Fault Detection recognizes if AC noise is affecting the flow reading

✔ Tunable Empty Pipe Detection notifies user if the pipe is not full

"Leveraging the **world-class** smart meter verification and process diagnostics, we significantly **reduced operator rounds** and have more **accurate and reliable reporting** now."

Utility Manager, Major Chemical Facility

8714i Results:
Passed

ROSEMOUNT®

SMART™ METER VERIFICATION

Sensor Calibration Verification Results	Transmitter Calibration Verification Results
Result	Result
Pass	Pass

Printable SMV report verifies meter performance for regulatory agencies

▶ Intuitive Solution

✔ Available in ProLink® III, enabling easy printing of SMV reports

✔ Universal Transmitter capabilities allow easy access to diagnostic information using any manufacture's sensor

✔ Easiest-to-use LOI with dedicated keys for configuration

Specifications

Line Size	0.5" – 48" (15 mm – 1200 mm)
Liner Material	PTFE, Neoprene, Polyurethane
Electrode Material	Stainless Steel, Nickel Alloy
Flange Standard	ANSI, EN, GB, AS4087, AS2129, JIS, AWWA
Flange Rating	Up to 300# / PN40 / 4.0Mpa / PN35 / Table E / 10K / Class F
Accuracy	Standard 0.5%; Optional High Accuracy 0.25%
Mounting	Integral / Remote / Wall Mount
Transmitter Output	4-20mA, Digital HART, Profibus PA, Modbus, Scalable Pulse
Power Supply	AC (90-250 V AC, 50–60 Hz); DC (12–42 V DC)
Hazardous Area Approval	Ordinary Location, FM Class I Div 2, ATEX/IECEx Zone 2, NEPSI Zone 2
Process Diagnostics	Empty Pipe, Grounding/Wiring Detection, Coated Electrode Detection
SMART™ Meter Verification	Meter Integrity
Drinking Water Certification	NSF
Sensor Ingress Protection	IP68

Rosemount 8750W Magnetic Flowmeter

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