



# ROSEMOUNT MS SENSOR AND 8782 TRANSMITTER FOR SLURRY APPLICATIONS

Delivering stable and consistent flow measurement in applications with challenging process noise conditions.

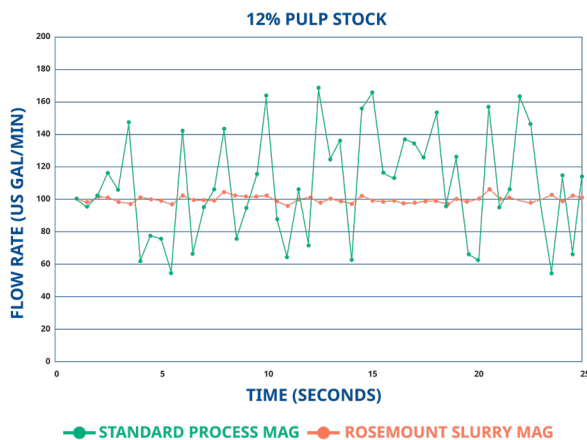
## Emerson's Rosemount™ Slurry Magnetic Flow Meter cuts through the process noise and delivers stable and reliable flow measurement readings in high noise and slurry applications.

When debris is present in the process stream, it can cause process signal noise, creating unstable or inconsistent measurement readings in magnetic flow meters. One common cause of noise in slurry applications is particle impingement, which is often caused by sand, solid particulates in the flow stream, or fibers found in pulp and paper rubbing against the electrodes.

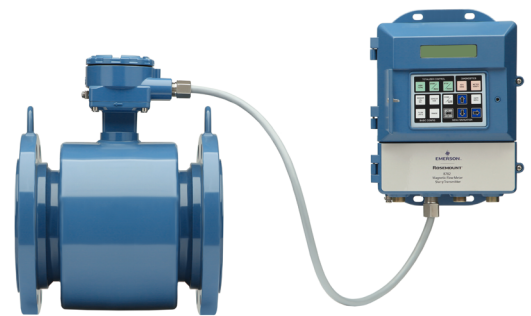
With the Rosemount Slurry Magnetic Flow Meter, the advanced signal processing uniquely adapts to changing process conditions to ensure that noise is eliminated from your flow signal, giving operators confidence in their measurement calculations. Flow signal stability and real-time diagnostics deliver measurement confidence and the ability to automatically control the loop, improving product quality, reducing raw material cost, and minimizing waste and re-work.

### The latest technology of Rosemount's Slurry Magnetic Flow Meter delivers:

- Exceptional flow signal stability
- Industry-leading measurement accuracy
- Latest in advanced signal processing



*In typical magnetic flow meters, excess process noise will create an unstable flow signal, making automatic process control nearly impossible.*



Rosemount MS Sensor and 8782 Transmitter for Slurry Flow Applications



#### Advanced Diagnostics

High process noise diagnostics and selectable coil frequency provide maximum signal stability and electrode coating identifies coating before it becomes an issue.



#### Smart Meter Verification

Eliminate uncertainty with on-demand or continuous verification for meter health and stability and simplify compliance with an audit trail for each meter with stored results.



#### Advanced Signal Processing

Multiple Predefined Advanced Signal Processing Modes allow for quick and easy adaptability to different process conditions.



**EMERSON**

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Product Specifications	
Product Family	Magnetic Flow Meters
Fluid Type	Conductive Liquids, Conductive Slurries
Line Size	3 – 36 inch (80 – 900 mm), ASME Flanges up to Class 2500, EN-1092 up to PN40, grooved coupling, and other flanges available on request.
Power Options	AC: 90 to 250V AC, 50-60Hz DC: 12 to 42V DC
Temperature Limits	-58 to +350 °F (-50 to +177 °C)
Max Operating Pressure	Up to 6170 PSI
Accuracy	± 0.25% ± 1 mm / sec standard; ±0.15% ± 1mm/sec high accuracy option
Enclosure Type	Type 4x and IP66/IP69 on Sensor and Transmitter, IP68 available on Sensor
Common Applications	Challenging Process Applications, Pulp Stock Flows, Mining Slurries, Chemical Injections
Signal Stability	Selectable low and high coil frequency settings Customizable advanced signal processing routines available
Basic Diagnostics	Includes Empty Pipe, Reverse Flow, Electrode Saturation, Grounding and Wiring
Advanced Diagnostics	DS1 – High Process Noise Detection, Electrode Coating Detection MV - Smart Meter Verification

For more information, visit  
[Emerson.com/RosemountSlurryMagnetic](https://www.emerson.com/RosemountSlurryMagnetic)

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00807-0300-3939 Rev AA