

# Emerson 2-wire Flow Measurement Technologies

Global Leading Brands in Coriolis, Vortex & DP Flow Measurement

## The one stop shop for your 2-wire loop powered flow measurement



Select and standardize the best 2-wire flow technology for your application at best cost



Make engineering, planning, standardization easy with Emerson's 2-wire flow portfolio and design your safety loop according to IEC61508



Get your 2-wire flow meter produced in 5 working days with our QuickShip Everyday program offering



Get a warranty extension at no cost while hiring our field start up services to ensure a successful installation



Use one tool like TRES or AMS to configure and diagnose all the Emerson 2-wire devices



The largest 2-wire flow meters portfolio to offer our clients the most appropriate Flow Solutions, as a trusted advisor.





## Micro Motion 4200 Coriolis Transmitter and Sensor

### HIGHEST PERFORMANCE

- Highest accuracy for direct mass and volume flow
- Wide turndown
- Multi-variable measurement – flow, density, temperature

### EASY TO INSTALL

- No flow conditioning or straight run required
- Bidirectional measurement

### AUTO-VERIFICATION

- Predictive maintenance with Smart Meter Verification
- On-line verification of flow meter health and performance



## Rosemount 8600/8800 Series Flow Meters

### SUITABLE FOR LIQUID, GAS & STEAM

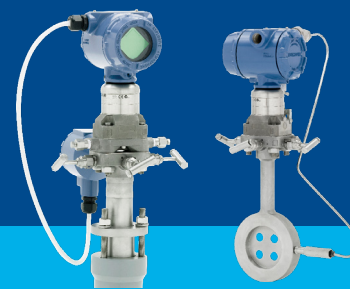
- Suitable for all kind of fluids
- Non-clog body design
- Multivariable design for in-line compensation

### SAFETY ENHANCEMENTS IN CRITICAL PROCESS

- Gasket free meter body
- On-line Sensor Maintenance
- Eliminates the needs of by-pass

### EASY MAINTENANCE

- No Zero required
- Device Diagnostics for field verification
- Eliminates impulse lines



## Rosemount Differential Pressure Flow Meters

### MOST FLEXIBLE TECHNOLOGY

- Suitable for virtually every application
- Application specific primary elements available
- Retractable primaries available

### ECONOMICAL SOLUTION

- Insertion type primary available for large pipes
- Easy to calibrate
- Universal transmitter

### MULTI VARIABLE TECHNOLOGY AVAILABLE

- Integral pressure and temperature measurement
- Mass and energy flow output

	ATTRIBUTES	2-WIRE CORIOLIS WITH 4200	VORTEX 8600/8800	ROSEMOUNT DP FLOW METERS
PROCESS CONDITIONS	Max Pressure	414 bars	250 bars	420bars
	Max Temperature	204°C	427°C	816°C
	Line Size	1/12" - 4"	1/2" - 14"	1/2" - 96"
	Liquid	●	●	●
	Gas	●	●	●
	Vapor	○	●	●
	Viscous fluids	●	○	◐
	Changing Fluids	●	●	○
PERFORMANCE	Typical Flow Accuracy Liquid	0.10%	0.65%	1.50%
	Typical Flow Accuracy Gas	0.25%	1.00%	1.50%
	Typical Turndown	●	◐	○
	Online Density measurement	●	○	◐
	Long Term stability	●	◐	●
CAPITAL COST	Size below 4"	○	●	◐
	Size 4" and larger	○	◐	●
INSTALLATION	Compact w/o Straight Run	●	○	◐
	Pressure loss	◐	●	◐
	Bidirectional	●	○	◐
MAINTENANCE	Calibration cost	◐	◐	●
	Health & process diagnostics	●	◐	◐
	Auto verification	●	◐	○

### KEY

- Good
- ◐ Average
- Poor

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