

A photograph of an industrial refinery at dusk. The sky is a mix of blue and orange. Several tall distillation columns are visible, some with red lights at the top. The refinery is illuminated with warm yellow lights, and steam is rising from various points. A blue banner is overlaid on the top left of the image.

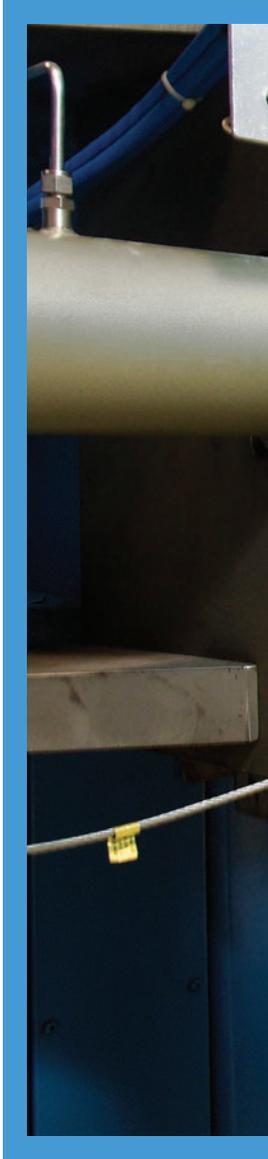
# Flow, Density and Viscosity Measurement

**Best-in-class technology for outstanding results**

Measurement stability and repeatability that stands up to even the most difficult application and process challenges.



## Industry-leading flow measurement technologies



Emerson delivers outstanding results that ensure the success of your process and operation. We provide unmatched value with a wide breadth of products that include Coriolis, Magnetic and Vortex flow meters, as well as density and viscosity measurement.

Look closer to discover why Micro Motion® and Rosemount™ flow technologies are unmatched in the industry and what they can do.

Micro Motion and Rosemount flow and density measurement products are manufactured, calibrated and supported all over the globe. With highly accredited facilities and support services, Emerson global flow service and technology centers provide the highest quality engineering, production, service, training and calibration available.

Locations to serve you: Boulder, CO, USA • Eden Prairie, MN, USA • Sorocaba, Brazil • Nanjing, China • Pudong, China • Pune & Mumbai, India • Chiba, Japan • Chihuahua, Mexico • Ede, The Netherlands • Manila, Philippines • Chelyabinsk, Russia • Dubai, UAE • Slough, UK



From consultation to solution to optimization and beyond, we're dedicated to helping you find the right flow technology for your business needs.

## Leading technology

Through our world-class research and development capabilities, Emerson drives product development solutions and advanced diagnostic insights to help solve your process application challenges.

## Product breadth

Our extensive array of materials, configurations and electronics capabilities enable flexible and easy installation for every operating environment across a wide range of industries.

## Unparalleled value

Our application expertise covers more than 40 years of experience and more than 1,000,000 devices installed worldwide for proven reliability, performance and accuracy in any environment.

## Global support

With the largest team of technology experts around the world, Emerson is your partner for flow measurement solutions, allowing you to better manage your process and increase plant availability.

# Micro Motion Coriolis Flow Meters



## Simplified solutions

- A broad range of simple-to-use, high-performance products that excel under the widest range of conditions and applications
- Simple integration through scalable transmitter platforms

## Measurement confidence

- High accuracy and repeatability over wide turndown ratios
- Simultaneous density and mass flow measurement to monitor your fluid quality and state

## Process insights

- Smart Meter Verification continually monitors in-situ meter health and performance
- Eliminates costly trips to the field for technicians, reducing proving and proof-test costs

## Coriolis overview

Emerson is dedicated to offering Micro Motion Coriolis products that deliver the three things that we believe are key to the success of your process: simplified solutions, measurement confidence and process insights.

Micro Motion offers a wide range of products for any application — all of which are easy to install, configure and maintain. Not only do our products exhibit unparalleled real-world performance, but they also provide actionable insights that help you optimize your process and set you up for success.

To optimize your process and ensure that it is running smoothly, you need to have the right insights. Our technology and experts provide you with just that. Emerson technologies offer powerful integrated diagnostics that provide you with process data and actionable information, enabling you to make quick, effective decisions. With our meters, issues such as two-phase flow or corrosion can easily be detected and addressed.

## Micro Motion Coriolis Sensor Portfolio

### ELITE®



ELITE® Coriolis flow meters provide unmatched flow and density measurement performance for gas, liquid and multiphase applications.

### F-Series



F-Series Coriolis meters deliver highly accurate mass, volume flow, and density measurement in applications that require a compact, drainable design.

### H-Series



Sanitary and Hygienic H-Series meters offer highly accurate mass flow, volume flow, and density measurement in a compact, drainable and cleanable design.

### LF-Series



LF-Series meters are the smallest Coriolis meters available for low flow measurement needs. This meter fits into any tight space, providing a scalable platform for individual flow measurement needs.

### R-Series



Low-footprint, drainable R-Series Coriolis flow meters provide accurate flow and density measurements and are ideally suited for general purpose applications.

### T-Series



T-Series meters feature all titanium wetted parts for corrosion resistance and offer superior flow measurement in a straight-tube, full-bore meter design.

# Micro Motion Coriolis Transmitter Portfolio



## Model 5700

Model 5700 transmitters are full-featured, field-mount devices that deliver increased confidence in flow measurement with their advanced capabilities in meter verification, process data handling and entrained gas alerts.

## Smart Meter Verification (SMV)



SMV Basic verifies complete measurement performance across a Coriolis sensor and electronics and is automatically included with most transmitters. SMV Professional provides a simple path to instrument and process compliance. SMV integrates with digital automation hosts to enhance safety, maintenance and compliance programs.

## Model 1700 / 2700



1700/2700 field-mount transmitters are powered by MVD™ Technology and designed for compact integral mounting, or easily mounting on a wall or pipe stand.

## Model 2200S



Model 2200S transmitter offers highly accurate mass flow and density measurement in loop-powered applications – and without the need for additional power wiring.

## Model 2400S



Model 2400S transmitters with MVD Technology deliver unsurpassed Coriolis performance in two-phase flow applications.

## Series 3000



Series 3000 electronics combine Coriolis transmitter functions and PLC capabilities in one instrument.

## Model 1500 / 2500



1500/2500 DIN rail-mounted transmitters are powered by MVD Technology and designed to easily fit into control room panels.

## Filling Mass Transmitter (FMT)



The FMT Coriolis transmitter was specifically designed for filling and dosing applications to deliver outstanding performance in high speed and very small fills.

### Compact Density Meter (CDM)



The Compact Density Meter (CDM) is the next generation in fiscal custody transfer and precision process density and concentration measurement.

### Fork Density Meter (FDM)



The Fork Density Meter (FDM) is the latest development in direct insertion density and concentration. This meter builds upon the success of the Micro Motion 7826 and 7828 density meters.

### Fork Viscosity Meter (FVM)



The Fork Viscosity Meter (FVM) is the latest development in multivariable direct insertion viscosity meters. These unique meters provide unbeatable installation flexibility, robustness and market-leading communications flexibility.

### Gas Density Meter (GDM)



The Gas Density Meter (GDM) is the next generation in fast response direct gas density measurement. It's designed for applications such as fiscal custody transfer where reliability and accuracy are critical.

### Gas Specific Gravity Meter (SGM)



The Gas Specific Gravity Meter (SGM) is the industry standard for direct measurement of specific gravity, molecular weight, relative density, Calorific Value/BTU and Wobbe Index.

### Heavy Fuel Viscosity Meter (HFVM)



The HFVM Viscomaster is a high performance, multivariable viscosity meter designed for the measurement and control of heavy fuel oil (HFO) that supply engines, turbines and burners in Marine and Power applications.

# Rosemount Vortex & Magnetic Flow Meters



## Reliability by design

- A unique all-cast, all-welded Vortex meter body design without ports or gaskets offers a reliable, non-clog solution for increased availability
- Dual compartment Magnetic transmitter housing and all-welded sensor prevent moisture ingress and maintain safe local configuration

## Industry-leading performance

- Decrease downtime with Rosemount Vortex meters that offer no moving parts to maintain or repair and an online removable sensor
- A temperature characterization and verification process for Magnetic transmitters minimizes the effects of ambient temperature changes

## Valuable diagnostics

- Vortex diagnostic capabilities verify the meter health of critical sensing components to keep your process running
- Smart Meter Verification for Magnetic flow meters continually monitors meter performance without stopping the process

## Vortex & Magnetic overview

Emerson's Rosemount Magnetic and Vortex flow meters are designed to ensure your peace of mind and deliver complete confidence in every part of your process. These products offer reliability, industry-leading performance and valuable diagnostics.

We understand how important it is for you to be able to trust in every product you use, so we've designed our Magnetic and Vortex flow meters to deliver unmatched reliability.

Confidence in your measurement is key to your process. That's why we are dedicated to the pursuit of ultimate real-world performance, even in the most critical and complex applications. Whatever your measurement needs, you can trust our industry-leading products to deliver unparalleled accuracy.

Emerson technologies offer powerful integrated diagnostics that provide you with process data and actionable information, enabling you to make quick, effective decisions. Our diagnostic capabilities verify the meter health of critical sensing components to keep your process running and avoid unplanned shutdowns.

## Rosemount Vortex Flow Meter Portfolio

### Flanged



The Rosemount 8800 Flanged Vortex flow meter is ideal for all applications from general purpose to the most demanding application.

### Reducer



The Rosemount 8800 Reducer Vortex flow meter handles lower flows better than any other Vortex meter. The common face-to-face dimension allows you to change the meter without impacting the piping layout.

### Wafer



The Rosemount 8800 Wafer Vortex flow meter is a lightweight, cost-effective solution that is easy to install and ideal for utility applications.

### CriticalProcess



The Rosemount 8800 CriticalProcess Vortex flow meter eliminates unnecessary process shutdowns, increasing availability without requiring bypass piping.

### Dual/Quad



The Rosemount 8800 Dual and Quad Vortex flow meters are flanged flow meters with redundant electronics and sensors. Use these SIL certified flow meters for SIS and other applications where redundancy is critical.

### Weld-End



The Rosemount 8800 Weld-End Vortex flow meter is directly welded into your process piping, eliminating flange gaskets. This is the only Vortex flow meter available with zero potential leak points.

### MultiVariable



The Rosemount 8800 MultiVariable Vortex flow meter combines your temperature and flow devices into a single highly accurate instrument.

### Threaded End



The Rosemount 8800 Threaded End Vortex flow meter simplifies installation with NPT threaded process connections which match existing threaded pipe unions.

### Utility



The Rosemount 8600 Utility Vortex flow meter offers a cast construction to minimize potential leak points and is optimized for a variety of general purpose and utility steam applications.

## Rosemount Magnetic Sensor Portfolio

### 8705 Flanged Sensor



An all-welded design ensures reliability in the harshest environments. A wide range of sizes, liners, and electrode material options are available to meet most process conditions.

### 8711 Wafer Sensor



An economical, compact, and lightweight alternative to flanged magnetic flow meters with included alignment spacers for easy installation.

### 8721 Hygienic Sensor



Specifically designed for food, beverage, and pharmaceutical applications that require reliable, safe, and hygienic operation.

### 8707 High Signal System



Achieve stable flow measurement in the most difficult high-noise applications while maintaining the benefits of DC technology.

### 8750W Utility Water System



A reliable, robust design makes this utility magnetic flow meter system ideal for water, wastewater, and utility flow applications.

### Liner Options



PFA, PTFE, ETFE



Polyurethane



Neoprene



Linatex

## Rosemount Magnetic Transmitter Portfolio

### 8712E



This remote-mount transmitter has an easy-to-use LOI with dedicated configuration buttons, and is available with Smart Meter Verification.

### 8732



This integral-mount transmitter with explosion-proof housing supports a variety of communication protocols and is available with Smart Meter Verification.

### 8712H



Designed to pair with the 8707, this transmitter provides increased signal strength, advanced signal processing, and superior filtering techniques for demanding slurry applications.

# Rosemount Magnetic Sensor Specifications

**Flanged (8705)      High Signal™ (8707)      Wafer (8711)      Hygienic (8721)      Utility (8750W)**

Approvals					
Process Applications	●	●	●		
Utility Water-Based Flows	●		●		●
High Consistency Slurry	●	●			
Hygienic (Sanitary)				●	
High Pressure (Up to ANSI Class 2500)	●	●			
Line Sizes					
Nominal Line Size - Inches	½ to 36	3 to 36	0.15 to 8	½ to 4	½ to 48
Nominal Line Size - Millimeters	15-900	60-900	4-200	15-100	15-1200

**Process Temp Limits      Line Size (8705/8707)      Line Size (8711)      Line Size (8721)      Line Size (8750W)**

Liner Selection					
PFA - Fluoropolymer <sup>(1)</sup>	-20 to 350° F (-29 to 177° C)	½ to 14 inch (15 to 350 mm)	0.15 to 0.3 inch (4 to 8 mm)	½ to 4 inch (15 to 100 mm)	
PTFE - Fluoropolymer <sup>(1)</sup>	-20 to 350° F (-29 to 177° C)	½ to 36 inch (15 to 900 mm)	½ to 8 inch (15 to 200 mm)		½ to 48 inch (15 to 1,200 mm)
ETFE - Fluoropolymer <sup>(1)</sup>	-20 to 300° F (-29 to 149° C)	½ to 16 inch (15 to 400 mm)	½ to 8 inch (15 to 200 mm)		
Polyurethane - Water with No Chemicals	-0 to 140° F (-18 to 60° C)	1 to 36 inch (25 to 900 mm)			½ to 48 inch (15 to 1,200 mm)
Adiprene	0-200° F (-18 to 93° C)	1 to 12 inch (25 to 300 mm)			
Neoprene	-0 to 176° F (-18 to 80° C)	1 to 36 inch (25 to 900 mm)			½ to 48 inch (15 to 1,200 mm)
Linatex - Mining Slurries, Large Debris	-0 to 158° F (-18 to 70° C)	1 to 36 inch (25 to 900 mm)			

Electrode Selection	Description
<b>Type</b>	
Button	Standard design. Suitable for most applications including slurries.
Bullet-Nose	Used where coating is a concern and no solids are present.
<b>Material <sup>(2)</sup></b>	
316L Stainless Steel	Standard material. Compatible with most water-based applications.
Nickel Alloy 276	Typically used in medium to high acid concentrations and sea water.
Platinum <sup>(3)</sup>	Typically used in most aggressive liquor applications.
Tantalum <sup>(3)</sup>	Typically used in high concentration acids (hydrochloric, hydrofluoric).
Titanium <sup>(3)</sup>	Typically used in high concentration caustic (sodium, potassium hydroxide).

(1) Fluoropolymer MWP 1000psi (2) Alternate materials available (3) Not available on 8750W

**8732E      8712E      8712H High Signal™      8750W**

Selection Considerations				
Mounting	Integral or Remote <sup>(4)</sup>	Wall Mount Remote	Wall Mount Remote	Integral, Remote or Wall Mount
LOI	4-button	Dedicated 15-button	Dedicated 15-button	4-button or 15-button
Output & Communication Protocols	4-20 mA, HART, 10 kHz Pulse FOUNDATION fieldbus, Profibus PA, Modbus	4-20 mA, HART, 10 kHz Pulse, Modbus	4-20 mA, HART, 1 kHz Pulse	4-20 mA, HART, 10 kHz Pulse FOUNDATION fieldbus, Profibus PA, Modbus
Power Supply	90-250AC, 12-42DC	90-250AC, 12-42DC	115V AC Only	90-250AC, 12-42DC
Diagnostic & Enhanced Features				
<b>Standard</b>	●	●	●	●
<b>DA1</b> – Process Diagnostics	●	●		●
<b>DA2</b> – SMV	●	●		●
<b>D01</b> – FOUNDATION fieldbus/Profibus PA/Process Diagnostics <sup>(5)</sup>	●			
<b>D02</b> – FOUNDATION fieldbus/Profibus PA/SMV <sup>(5)</sup>	●			
<b>D1</b> – High Accuracy Calibration	0.15% ± 1 mm/s	0.15% ± 1 mm/s	± 0.25%	± 0.25%
<b>AX</b> – DI/DO	●	●		●

(4) 2" pipe mount (5) Use DA1 or DA2 for 8750W

# Rosemount Vortex Flow Meter Specifications

	Flanged & Reducer	Wafer	Critical Process	Threaded Vortex	Dual/Quad	Weld-End	MultiVariable Flanged and Reducer	8600 Utility Vortex
<b>Application Best Practices</b>								
Critical Process Applications			●		●	●		
Utility Water and Gas	●	●		●				●
Cryogenic						●		
Saturated Steam	●						●	●
Produced Water		●		●				
Safety Instrumented Systems					●			
High Pressure (ASME Class 1500)*	●		●		●	●	●	
<b>Capabilities</b>								
Clog-Free, Gasket-Free Meterbody	●	●	●	●	●	●	●	
Isolated Sensor	●	●	●	●	●	●	●	
Mass Blanced Sensor and ADSP for Vibration Immunity	●	●	●	●	●	●	●	●
Flow Simulation and Signal/Trigger for MEter Verification	●	●	●	●	●	●	●	●
Single Sensor (Ican be used for all line sizes and meter types)	●	●	●	●	●	●	●	
<b>Wetted Materials</b>								
Stainless Steel	●	●	●	●	●	●	●	●
Nickel Alloy	●	●	●		●	●	●	
Duplex	●				●	●	●	
Carbon Steel	●		●		●	●	●	
<b>Measured Variables</b>								
Flow	●	●	●	●	●	●	●	●
Temperature							●	
<b>Output Variables</b>								
Flow	●	●	●	●	●	●	●	●
Temperature							●	
Density							●	
T-Compensated Mass Flow (Saturated Steam, water, custom liquids)	●		●	●		●	●	●
<b>Outputs</b>								
4-20mA/HART®	●	●	●	●	●	●	●	●
10 kHz Pulse	●	●	●	●	●	●	●	●
FOUNDATION™ fieldbus	●	●	●	●	●	●	●	
<b>Mounting</b>								
Integral	●	●	●	●	●	●	●	●
Remote	●	●	●	●	●	●	●	●
<b>Hazardous Area Approvals</b>								
FM - Ex-Proof, IS, Dust, FISCO (FF)	●	●	●	●	●	●	●	●
CSA - Ex-Proof, IS, Dust, FISCO (FF)	●	●	●		●	●	●	●
ATEX - Flameproof, IS, Dust, Type-N, FISCO (FF)	●	●	●		●	●	●	●
IECEX - Flameproof, IS, Dust, Type-N, FISCO (FF)	●	●	●		●	●	●	●
NEPSI - Flameproof, IS, Type-N, FISCO (FF)	●	●	●		●	●	●	●
TIIS - Flameproof	●	●	●		●	●	●	
<b>Accuracy</b>								
Liquids	0.65% of rate	0.65% of rate	0.65% of rate	0.65% of rate	0.65% of rate	0.65% of rate	0.65% of rate	0.75% of rate
Gases	1.00% of rate	1.00% of rate	1.00% of rate	1.00% of rate	1.00% of rate	1.00% of rate	1.00% of rate	1.00% of rate
Mass Flow of Saturated Steam							2.00% of rate	
Mass Flow of Water							0.70% of rate	
<b>Nominal Line Sizes</b>								
Inches	½-12	½-8	1-12	½-2	½-12	½-12	1½-12	1-8
Millimeters	15-300	15-200	25-300	15-50	15-300	15-300	40-300	25-200

\*De-rated up to 2500 pounds available - consult factory

# Micro Motion Coriolis Sensor Specifications

	ELITE®	F-Series	H-Series	T-Series	R-Series	LF-Series
<b>Application Type</b>						
Continuous Control	●	●	●	●	●	●
Batching / Loading / Blending	●	●	●	●	●	●
Custody	●	◐	●			
<b>Measurement Accuracy</b>						
Liquid & Slurry - Flow	±0.05%	±0.10%	±0.10%	±0.15%	±0.4%	±0.50%
Liquid & Slurry - Density	±0.0002 g/cm <sup>3</sup> (±0.2 kg/m <sup>3</sup> )	±0.0005 g/cm <sup>3</sup> (±0.5 kg/m <sup>3</sup> )	±0.0005 g/cm <sup>3</sup> (±0.5 kg/m <sup>3</sup> )	±0.002 g/cm <sup>3</sup> (±2.0 kg/m <sup>3</sup> )	±0.003 g/cm <sup>3</sup> (±3.0 kg/m <sup>3</sup> )	±0.005 g/cm <sup>3</sup> (±5.0 kg/m <sup>3</sup> )
Gas - Flow	±0.25%	±0.50%	±0.50%	±0.50%	±0.75%	±0.50%
<b>Capabilities</b>						
Self Draining	◐	●	●	●	●	
Sanitary / Hygienic	◐		●	●		
Two-Phase Flow / Entrained Gas	●	◐	◐			
Smart Meter Verification	●	●	●			
High Temperature*	◐	◐				
High Pressure**	◐	◐				
Cryogenic*	◐	◐				
<b>Wetted Materials</b>						
300-Series Stainless Steel	●	●	●		●	●
Super Duplex	◐					
Nickel Alloy C22	●	●				
Nickel Alloy B3						
Ni-Span-C®						
Titanium				●		
Monel®						
Zirconium						
<b>Nominal Line Sizes</b>						
Inches	1/2-16	1/4-4	1/4-4	1/4-2	1/4-2	1/32-1/4
Millimeters	2-406	6-100	6-100	6-50	6-75	0.8-6

● Supported on all models ◐ Supported on some models

\*Standard temperature is -148 to +400°F (-100 to +204°C) High temperature is above +400°F (+204°C) Cryogenic is below -148°F (-100°C)

\*\* Above 1494 PSI (103bar)

## Micro Motion Density & Viscosity Specifications

	CDM	FDM	FVM	HFVM	GDM	SGM
<b>Application Type</b>						
Continuous Control	●	●	●	●	●	●
Batching / Loading / Blending	●	●	●	●	●	●
Custody Transfer	●				●	●
<b>Measurement Accuracy</b>						
Liquid & Slurry - Density	±0.0001 g/cm <sup>3</sup>	±0.001 g/cm <sup>3</sup>	±0.001 g/cm <sup>3</sup>	±0.001 g/cm <sup>3</sup>		
Liquid - Viscosity			±0.2 cP (for 0.5 - 10 cP) ±1% of calibration range max	±0.2 cP (for 0.5 - 10 cP) ±1% of calibration range max		
Gas - Density					Up to ±0.1%	Up to ±0.1%
Gas - Density / Specific Gravity						Up to ±0.1%
<b>Capabilities</b>						
Self Draining	●	●	●	●		
Two-Phase Flow / Entrained Gas	●					
Known Density Verification (KDV)	●	●	●	●	●	●
High Pressure		●	●	●	●	
<b>Wetted Materials</b>						
300-Series Stainless Steel	●	●	●	●	●	●
Nickel Alloy C22	●	●	●			
Ni-Span-C®					●	●
Titanium		●				
Zirconium		●				
<b>Nominal Line Sizes</b>						
Inches	1	1 or Larger	1 or Larger	1 or Larger	¼ or Larger	¼ or Larger
Millimeters	23	25 or Larger	25 or Larger	25 or Larger	6 or Larger	6 or Larger
<b>Output Variables</b>						
Density	●	●	●	●	●	●
Time Period	●	●			●	
Temperature	●	●	●	●	●	●
Drive Gain	●	●				
External Temperature Input	●	●	●	●	●	●
External Pressure Input	●				●	●
Flow Rate (Velocity)	●					
Referred Velocity			●	●		
Specific Gravity, Molecular Weight						●
<b>Local Display</b>						
2-Line	●	●	●	●	●	●
<b>Outputs</b>						
4-20 mA	●	●	●	●	●	●
4-20 mA + HART®	●	●	●	●	●	●
Time Period Signal (TPS)	●	●			●	●
Discrete Output	●	●	●		●	●
Modbus/RS-485	●	●	●	●	●	●
2700 FOUNDATION™ fieldbus (Remote Mount Only)	●	●	●			
<b>Transmitter Mounting</b>						
Integral	●	●	●	●	●	●
<b>Approvals</b>						
ATEX	●	●	●	●	●	●
CSA	●	●	●	●	●	●
IECeX	●	●	●	●	●	●
Marine				●		

# Micro Motion Coriolis Transmitter Specifications

	1500	1700	2200S	2400S	2500	2700	FMT	3300	3350	3500	3700	5700
<b>Output Variables</b>												
Mass / Volume Flow	●	●	●	●	●	●	●	●	●	●	●	●
Net Product Content / Flow †				●	●	●				●	●	●
Temperature			●	●	●	●	●			●	●	●
Density			●	●	●	●	●			●	●	●
Concentration				●	●	●				●	●	●
<b>Local Display</b>												
2-Line		●	●	●		●						
Multi-line								●	●	●	●	
Graphical												●
<b>Power</b>												
AC		●		●		●		●	●	●	●	●
DC	●	●		●	●	●	●	●	●	●	●	●
Loop Powered (2-wire)			●									
<b>Output</b>												
4-20 mA	●	●	●	●	●	●	●	●	●	●	●	●
10 kHz pulse	●	●		●	●	●	●	●	●	●	●	●
Discrete	●	●		●	●	●	●	●	●	●	●	●
WirelessHART®	●	●	●	●	●	●		●	●	●	●	●
Modbus®	●	●			●	●	●	●	●	●	●	●
Ethernet/IP (with Ethernet/IP module)	●	●			●	●	●			●	●	
FOUNDATION™ fieldbus						●						●
PROFIBUS-PA						●						
PROFIBUS-DP				●			●					
DeviceNet™				●								
<b>Inputs</b>												
10 kHz pulse								●	●			
Discrete				●	●	●	●	●	●	●	●	●
4-20 mA												●
HART®	●	●	●	●	●	●	●			●	●	●
4-wire Coriolis Sensor	●	●			●	●				●	●	●
9-wire Coriolis Sensor	●	●			●	●				●	●	●
<b>Mounting</b>												
Integral - Field		●		●	●	●	●					●
Remote - Field		●		●	●	●			●		●	●
Remote - Control Room	●				●			●		●		
Remote - Pack / Panel Mount								●		●		
<b>Special Application Types</b>												
Batch Controller								●	●	●	●	●
Custody Transfer						●		●	●	●	●	●
Two-Phase Flow / Entrained Gas	●	●		●	●	●				●	●	●
Filling & Dosing	●						●					
Smart Meter Verification	●	●		●	●	●				●	●	●
SIS Certified		●				●						●
<b>Hazardous Area Approvals</b>												
C1D1		●	●		●	●						●
C1D2		●	●	●	●	●	●		●		●	●
Zone 1		●	●		●	●			●		●	●
Zone 2		●	●		●	●	●		●		●	●

● Supported on all models    ● Supported on some models

† Flow rate of product based on concentration. For example, in a dissolved sugar solution, the measurement is the flow rate of the sugar alone and in a net oil application the measurement is water alone or oil alone.

Known globally for quality, reliability and high-performance results.



Emerson's Micro Motion and Rosemount flow technologies enable increased plant availability, decreased costs and enhanced safety. Emerson delivers application expertise, service and technical support not available elsewhere.

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