

# Emerson Flow and Density Measurement

Best-in-class technology for outstanding results



# Flow and Density Measurement Technology Committed to Your Success

Emerson's best-in-class Micro Motion® and Rosemount® flow and density measurement technologies, wide breadth of products, and unmatched value ensure you will realize outstanding results in your process and operation.

## Technology Leadership

Emerson's world-class research and development capabilities support ongoing product development to find solutions for difficult application and process challenges.

- Unmatched flow measurement accuracy and performance over the widest flow range, in changing operating conditions, regardless of environmental effects
- Smart Meter Verification is the only diagnostic tool available to check the entire meter's performance and integrity online, on-demand and in less than 2 minutes
- Superior gas flow measurement using Micro Motion Coriolis meters eliminate the need for pressure and temperature compensation even in the most demanding custody transfer applications
- World-leading and unmatched  $\pm 0.0001 \text{ g/cm}^3$  density measurement accuracy and repeatability
- Most accurate, reliable magnetic flowmeter with advanced diagnostics, improves process control while delivering ongoing maintenance savings
- The only all cast/all-weld designed Vortex meter eliminates clogging and leaking to deliver unmatched reliability
- The only Coriolis EtherNet/IP solution for hygienic applications and hazardous areas
- Smart Wireless THUM™ Adapter can unlock multivariable measurement, advanced diagnostics, meter verification, and totalized flow in your existing flow devices
- Process disruptions are eliminated with industry-leading flow measurement performance and accuracy in two-phase flow conditions
- World-leading and unmatched 0.1% gas density and gas specific gravity measurement conforming to ISO17025 accreditation standards



**ROSEMOUNT®**



## Product Breadth

Emerson offers the broadest range, best performing, fit-for-purpose flow and density measurement solutions for every application. The widest electronics offering enables flexible and easy installations for every operating environment and, as the world's largest instrumentation supplier, Emerson delivers best-in-class execution, quality, and service for every measurement challenge.

From the smallest flow rate to the largest, the lowest temperature to the highest, onshore or offshore, gas or liquid, you will find the ideal measurement device that fits your exact needs.



## Unparalleled Value

Decades of application experience ensures Emerson truly understands customer measurement challenges and is able to deliver the most advanced flow and density measurement technologies to customers around the globe.

- Unmatched application knowledge and expertise from over 30 years experience and more than 1,000,000 Micro Motion and Rosemount flow devices installed worldwide ensures success
- Worldwide support and technical service delivers the fastest response and best local service coverage
- The only flow and density manufacturer with internationally accredited and certified flow lab and testing facilities in the Americas, Europe, Middle East, and Asia Pacific
- Dedicated flow and density Online Community ([www.MicroMotion.com/Community](http://www.MicroMotion.com/Community)) devoted to supporting the flow measurement community worldwide
- The only manufacturer with class-leading density, pressure, and temperature laboratory and ISO17025 accreditation for over 30 years
- Comprehensive training program to support changing work force demographics and ensuring ongoing learning and success

## Industries

- *Alternative Fuels*
- *Automotive*
- *Chemical & Petrochemical*
- *CNG/LNG*
- *Fine & Specialty Chemicals*
- *Food & Beverage*
- *Hydrocarbon Transportation & Distribution*
- *Industrial Gases*
- *Life Sciences & Pharmaceutical*
- *Marine*
- *Metals & Mining*
- *Municipal*
- *Natural Gas Processing*
- *OEM*
- *Oilfield Services*
- *Oil & Gas Production*
- *Personal Care Products*
- *Polysilicon*
- *Power and Utilities*
- *Pulp & Paper*
- *Refining*
- *Semiconductor*
- *Water & Wastewater*

## Coriolis

### Coriolis Flow and Density Meters

A single Micro Motion Coriolis meter can tighten control, improve process insight, monitor emissions and minimize waste. Customers continue to find new ways to apply Micro Motion Coriolis flow and density measurement technology to further benefit from all the advantages available for gas and liquid applications.



### ELITE Coriolis Flow and Density Meter

Micro Motion ELITE® Coriolis meters are the leading precision flow and density measurement solution offering the most accurate and repeatable mass measurement for liquids, gases, or slurries. The ELITE Coriolis line includes ten sensor models, including the widest breadth of high flow rate Coriolis meters.

### F-Series Coriolis Flow and Density Meter

Highly accurate mass flow, volume flow, and density measurement in applications that require a compact, drainable design.

## Density & Viscosity

### 7835 Precision Liquid and Concentration Density Meter

The industry standard for on-line density measurement and designed for the fiscal metering of crude oil, refined hydrocarbons, and non-aggressive process liquids.



### 7845/7847 Liquid and Concentration Density Meter

High performance, general purpose density meters designed for general process and hygienic applications.

### 7826/7828 Direct Insertion Density Meter

Designed to operate in pipelines and tanks, delivering measurement such as Specific Gravity, %solids, %volume, concentration and °Brix.

### 3098 Gas Specific Gravity Meter

The industry standard for direct measurement of gas molecular weight offering continuous online measurements and the highest accuracy and resolution.



### H-Series Coriolis Flow and Density Meter

All-hygienic meters, 3A and EHEDG approved, for sanitary conditions requiring accurate mass flow, volume flow, and density measurement in a drainable and cleanable design.



### T-Series Coriolis Flow and Density Meter

Straight-tube, full-bore meter design, 3A and EHEDG approved, for sanitary applications and easy cleaning.

### LF-Series Coriolis Flow and Density Meter

The smallest Coriolis meter for tight spaces and ultra-low, high precision flow measurement.

### R-Series Coriolis Flowmeter

Basic, reliable measurement while benefiting from the fundamental advantages of Coriolis.

### 7812 Gas Density Meter

For fiscal metering of natural gas and offer the highest accuracy with excellent repeatability under pipeline operating conditions. Available in NiSpan-C.



### 7827 Insertion Viscosity Meter

Used for quality and analytical measurements where kinematic viscosity at line and reference temperature are required to be measured.

### 7829 Visconic Viscosity Meter

Measurement and control of online process viscosity applications and simultaneously measures real-time viscosity, density and temperature.

### 7829 Viscomaster Viscosity Meter

For real-time measurement and control of heavy fuel oil (HFO) that supply engines, turbines and burners in Marine and Power applications.

## Magnetic Flow

### Rosemount E-Series Magnetic Flowmeter

Designed for maximum reliability even in the harshest environments, the Rosemount E-Series Magnetic Flowmeter offers industry best performance and diagnostic capabilities. With Emerson Smart Meter Verification, troubleshooting and auditing of magnetic flowmeter installations is quick and easy. The Advanced Diagnostics available in every E-Series transmitter offers increased visibility to process conditions, enabling better decision making.

#### E-Series Transmitters

- Advanced diagnostics unlock the potential of the device
- Multiple communications protocols are available
- A local operator interface makes setup easy
- Integral or remote transmitter options enhance installation flexibility

#### E-Series Sensors

- Solve more application needs with a variety of liner and electrode materials, and high pressure sensors
- Reduce capital expense with the wafer meter design



### Rosemount 8705 Flanged Sensor

An all welded design that ensures reliability in the harshest environments, available in a wide range of sizes, lining and electrode materials are available to meet most process conditions.

### Rosemount 8711 Wafer Sensor

Economical, compact, and lightweight alternative to flanged magnetic flowmeters with alignment rings provided making installation easier.

### Rosemount 8721 Hygienic Sensor

All 316L SST construction meters deliver a straight-through design for maximum cleanability. 3-A and EHEDG approved.

### Rosemount High-Signal Magnetic Flowmeter System

The Rosemount High-Signal flowmeter system provides stable flow measurement in the most difficult high-noise applications while maintaining the benefits of DC technology.

## Vortex

### Rosemount 8800 Series Vortex Flowmeter

Achieve better measurement practices across your applications by eliminating potential leak points, incorporating gasket-free meter body designs that are immune to vibration.

### Rosemount 8800 CriticalProcess™ Vortex Flowmeter

Designed to increase plant availability and enhance overall safety. This feature allows users to verify the performance of the Vortex sensor while providing an added level of safety on critical applications.

### Rosemount 8800 Reducer Vortex Flowmeter

The Reducer Vortex can measure lower flows better than any other Vortex meter. The benefit is simplified installations which reduce project risk and minimize installation costs.

### Rosemount 8800 MultiVariable™ Vortex Flowmeter

Combines your temperature and flow devices into a single, highly accurate instrument, eliminating the cost and installation of two separate devices.

### Rosemount 8800 Dual Vortex Flowmeter

Ideal solution for Safety Integrated System (SIS) where redundant flow signals are required.



Emerson Process Management has set new standards in flow and density measurement technology to deliver quality measurement and unsurpassed performance for a wide range of applications.





# Micro Motion Coriolis Flow & Density Meters

A wide range of measurement solutions delivers what's required - and much more.



Coriolis Flow & Density Sensors	ELITE®	F-Series	H-Series	T-Series	R-Series	LF-Series	7835 7845 7847	7826 7827 7828 7829	7812 3098
<b>Application Type</b>									
Continuous control	●	●	●	●	●	●	●	●	●
Batching / loading / blending	●	●	●	●	●	●	●	●	●
Custody transfer	●	◐	◐				●	◐	●
<b>Measurement Accuracy</b>									
Liquid & slurry - Flow	±0.05%	±0.10%	±0.10%	±0.15%	±0.50%	±0.50%			
Liquid & slurry - Density	±0.0002 g/cm <sup>3</sup> (±0.2 kg/m <sup>3</sup> )	±0.001 g/cm <sup>3</sup> (±1.0 kg/m <sup>3</sup> )	±0.001 g/cm <sup>3</sup> (±1.0 kg/m <sup>3</sup> )	±0.002 g/cm <sup>3</sup> (±2.0 kg/m <sup>3</sup> )		±0.005 g/cm <sup>3</sup> (±5.0 kg/m <sup>3</sup> )	±0.0001 g/cm <sup>3</sup> (±0.1 kg/m <sup>3</sup> )	±0.001 g/cm <sup>3</sup> (±1.0 kg/m <sup>3</sup> )	
Liquid - Viscosity								±1% FS	
Gas - Flow	±0.35%	±0.50%	±0.50%	±0.50%	±0.75%	±0.50%			
Gas - Density									±0.10%
<b>Capabilities</b>									
Self-draining	◐	●	●	●	●		●	●	
Sanitary / hygienic	◐	●	●	●			◐		
Two-phase flow / entrained gas	●	◐	◐				◐		
Smart Meter Verification	●	●	●						
Secondary containment	●	●	●	●			●		
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	1/10-16	1/4-4	1/4-4	1/4-2	1/4-2	1/32-1/4	1	1 or larger	1/4 or larger
Millimeters	2-406	6-100	6-100	6-50	6-75	0.8-6	23	25 or larger	6 or larger

\* 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) ● Supported on all models ◐ Supported on some models  
 \*\* Above 1494 psi (103 bar)



## Coriolis Flow & Density Transmitters

	1500	1700	2200S	2400S	2500	2700	FMT	3300	3350	3500	3700	7950 7951
<b>Output Variables</b>												
Mass / volume flow	●	●	●	●	●	●	●	●	●	●	●	
Net product content / flow <sup>†</sup>				●	●	●				●	●	
Temperature			●	●	●	●	●			●	●	●
Density			●	●	●	●	●			●	●	●
Concentration				●	●	●				●	●	●
Viscosity / referred viscosity												●
<b>Local Display</b>												
2-line		●	●	●		●						
Multi-line								●	●	●	●	●
<b>Power</b>												
AC		●		●		●		●	●	●	●	●
DC	●	●		●	●	●	●	●	●	●	●	●
Loop powered			●									
<b>Outputs</b>												
4-20 mA	●	●	●	●	●	●	●	●	●	●	●	●
10 kHz pulse	●	●		●	●	●	●	●	●	●	●	●
Discrete	●	●		●	●	●	●	●	●	●	●	●
HART® / Wireless HART®	●	●	●	●	●	●		●	●	●	●	●
Modbus®	●	●			●	●	●	●	●	●	●	●
FOUNDATION fieldbus™						●						
PROFIBUS-PA						●						
PROFIBUS-DP				●			●					
DeviceNet™				●								
<b>Inputs</b>												
10 kHz pulse								●	●			
Discrete				●	●	●	●	●	●	●	●	
4-20 mA												●
HART®										●	●	
2-wire density sensor												●
3-wire density sensor												●
4-wire Coriolis sensor	●	●			●	●				●	●	
9-wire Coriolis sensor	●	●			●	●				●	●	
<b>Mounting</b>												
Integral - Field		●	●	●		●	●					
Remote - Field		●				●			●		●	●
Remote - Control room	●				●			●		●		●
Remote - Rack / Panel Mount								●		●		
<b>Special Application Types</b>												
Batch controller								●	●	●	●	
Custody transfer						●		●	●	●	●	
Two-phase flow/entrained gas	●	●		●	●	●				●	●	
Filling & dosing	●						●					
Meter verification	●	●		●	●	●				●	●	
SIS Certified		●				●						
<b>Hazardous Area Approvals</b>												
C1D1		●	●			●						
C1D2		●	●	●		●	●		●		●	
Zone 1		●	●			●			●		●	
Zone 2		●	●	●		●			●		●	

Coriolis flow and density transmitters



Model 1500 / 2500



Model 1700 / 2700



Model 2200S



Model 2400S



Series 3000



Filling Mass Transmitter (FMT)

For detailed product information, refer to the specific Product Data Sheet at [www.MicroMotion.com](http://www.MicroMotion.com)

<sup>†</sup>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.

## Rosemount Vortex and Magnetic Flowmeters

Broad instrumentation selection for increased efficiency and safety - at a lower installed cost.

**ROSEMOUNT®**

Vortex Flowmeters	Flanged & Reducer	Wafer	CriticalProcess	Threaded Vortex	Dual	Weld-End	MultiVariable Flanged and Reducer
<b>Application Best Practices</b>							
Critical Process Applications			•		•		
Utility Water and Gas	•	•					
Cryogenic						•	
Saturated Steam							•
Produced Water				•			
Safety Instrumented Systems					•		
High Pressure (ANSI Class 1500)*	•				•	•	
<b>Capabilities</b>							
Clog-free, Gasket-free meterbody	•	•	•	•	•	•	•
Isolated sensor	•	•	•	•	•	•	•
Mass balanced sensor and ADSP for Vibration Immunity	•	•	•	•	•	•	•
Flow Simulation and Signal/Trigger for Meter Verification	•	•	•	•	•	•	•
Single Sensor can be used for all line sizes and meter types	•	•	•	•	•	•	•
<b>Wetted Materials</b>							
Stainless Steel	•	•	•	•	•	•	•
Nickel Alloy	•	•	•		•		
Alternate material as required	•		•		•	•	•
<b>Measured Variables</b>							
Flow	•	•	•	•	•	•	•
Temperature							•
<b>Output Variables</b>							
Flow	•	•	•	•	•	•	•
Temperature							•
Density (saturated steam)							•
T-Compensated Mass Flow (saturated steam)							•
<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
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
Mass Flow of Saturated Steam							2.00% of rate
<b>Nominal Line Sizes</b>							
Inches	1/2-12	1/2-8	1-12	1/2-2	1/2-12	1/2-4	1.5-12
Millimeters	15-300	15-200	25-300	15-50	15-300	15-100	40-300

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

Vortex Meters



Flanged



Reducer



Wafer



CriticalProcess



Threaded Vortex



Dual



Weld-End



MultiVariable



## Magnetic Sensors

	Flanged (8705)	High Signal™ (8707)	Wafer (8711)	Hygienic (8721)
<b>Application type</b>				
Process Applications	●	●	●	
Utility Water-based Flows	●		●	
High Consistency Slurry	●	●		
Hygienic (Sanitary)				●
High Pressure (Up to ANSI Class 2500) <sup>(1)</sup>	●	●		
<b>Line Sizes</b>				
Nominal line size - inches	1/2 to 36	3 to 36	0.15 to 8	1/2 to 4
Nominal line size - millimeters	15 - 900	80 - 900	4 - 200	15 - 100
<b>Liner Selection <sup>(2)</sup></b>	<b>Temp Limits</b>	<b>Line Size (8705/8707)</b>	<b>Line Size (8711)</b>	
PFA - Fluoropolymer	-20 to 350° F -29 to 177° C	1/2 to 14 inch (15 to 350 mm)	0.15 to 0.3 inch (4 to 8 mm)	
PTFE - Fluoropolymer	-20 to 350° F -29 to 177° C	1/2 to 36 inch (15 to 900 mm)	1/2 to 8 inch (15 to 200 mm)	
ETFE - Fluoropolymer	-20 to 300° F -29 to 149° C	1/2 to 16 inch (15 to 400 mm)	1/2 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)		
Neoprene	-0 to 176° F -18 to 80° C	1 to 36 inch (25 to 900 mm)		
Linatex - Mining slurries, large debris	-0 to 158° F -18 to 70° C	1 to 36 inch (25 to 900 mm)		
<b>Electrode Selection</b>	<b>Notes</b>			
<b>Type</b>				
Flush	Standard design. Suitable for most applications including slurries			
Bullet-nose	Used where coating is a concern and no solids are present			
<b>Material <sup>(3)</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	Typically used in most aggressive liquor applications			
Tantalum	Typically used in high concentration acids (hydrochloric, hydrofluoric)			
Titanium	Typically used in high concentration caustic (sodium, potassium hydroxide)			

Others available upon request



8705



8707



8711



8721



PFA, PTFE, ETFE



Polyurethane



Neoprene



Linatex

## Magnetic Transmitters

	8732E	8712E	8712H High Signal™	
<b>Selection Considerations</b>				
Mounting	Integral or Remote <sup>(4)</sup>	Wall Mount Remote	Wall Mount Remote	
LOI	4-button	Dedicated 15 button	Dedicated 15 button	
Output & Communication Protocols	4-20 mA, 10 kHz Pulse FOUNDATION fieldbus Profibus PA	4-20 mA, 10 kHz Pulse	4-20mA, HART, 1 kHz Pulse	
Power Supply	90-250AC, 12-42DC	90-250AC, 12-42DC	115V AC only	
<b>Diagnostics &amp; Enhanced Features</b>				<b>Notes</b>
<b>Standard</b>	●	●	●	Transmitter & Sensor Faults, Empty Pipe
<b>DA1</b> - HART Diagnostics 1	●	●		Ground & Wiring, High Process Noise
<b>DA2</b> - HART Diagnostics 2	●	●		Smart Meter Verification
<b>D01</b> - FOUNDATION fieldbus/Profibus PA/ Diagnostics 1	●			Ground & Wiring, High Process Noise
<b>D02</b> - FOUNDATION fieldbus/Profibus PA Diagnostics 2	●			Smart Meter Verification
<b>D1</b> - High Accuracy Calibration	●	●	●	0.15% +/- 1mm/s <sup>(5)</sup>
<b>AX</b> - DI/DO	●	●		Discrete In and Out



8712



8732



8712H

(1) Polyurethane liner only (2) 8721 available in PFA only (3) Alternate materials available (4) Pipe-mount remote (5) E-Series high performance. 0.25% for High Signal™

# Superior Measurement for Virtually Any Application

Emerson's flow and density measurement solutions deliver the world's best measurement stability, reliability, and overall performance for a wide range of applications and process environments.

## Applications

- Allocation
- Batching
- Bioreactor feeds
- Black liquor
- Bleaching agents (liquids and gas)
- Blending
- Bunker loading
- Carbon sequestration
- Carbonation and bottling
- Catalyst feed
- Check metering
- CNG
- Concentration (°Brix, °Plato, % caustic, others)
- Chemical recovery
- Coatings
- Cooling water
- Combustion control
- Continuous ratio and product blending
- Continuous reaction
- Custody transfer (liquids and gas)
- Deionized makeup water
- District energy steam and water
- Drilling mud quality and returns
- Effluent streams
- Endpoint detection in batch reactions
- Energy balance
- Enthalpy
- Ethylene transfer
- Evaporator control
- Feed and product characterization
- Fermentation
- Fiscal transfer (liquids and gases)
- Fuel gas combustion
- Greenhouse Gas (GHG) compliance
- High solids ore slurries
- Hydraulic fracturing
- Hygienic applications
- Industrial gas (N<sub>2</sub>, O<sub>2</sub>, Ar, H<sub>2</sub>)
- Interface detection in multi-product pipelines
- Leak detection systems
- Lime slurry
- LNG
- Loss control
- Material and mass balance
- Natural gas check metering
- Net oil / water cut measurement
- Oil well cementing (remove and hydrofracturing)
- Pill coating
- Pot ash
- Pregnant mining solution
- Produced water
- Product mixing
- Rail car, ship and truck loading and unloading
- Raw material dilution
- Repulper out flows
- Retail vehicle fueling
- Safety Instrumented Systems (SIS)
- Shipping and receiving
- Steam measurement
- Solvents and solvent separation
- Sterile gas feeds
- Utility water
- Utility steam
- Utility gas
- Vial filling
- Water treatment



Emerson Process Management's Micro Motion and Rosemount products include some of the world's most advanced measurement instruments, all of which are connected through our PlantWeb™ digital plant architecture. We are continually working with customers to ensure that they are fully prepared to meet technology and industry requirements.

## Emerson Flow Global Presence

Micro Motion and Rosemount flow and density measurement products are manufactured, calibrated and supported all over the world. 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:

- Micro Motion Headquarters: Boulder, Colorado
- Rosemount Flow Headquarters: Eden Prairie, Minnesota
- Sorocaba, Brazil
- Nanjing, China
- Shanghai, China
- Pune & Mumbai, India
- Chiba, Japan
- Chihuahua, Mexico
- Ede, The Netherlands
- Manila, Philippines
- Chelyabinsk, Russia
- Abu Dhabi, UAE
- Dubai, UAE
- Slough, UK
- Singapore
- Cluj, Romania
- Escazú, Costa Rica
- Al-Khobar, Saudi Arabia



### TECHNOLOGY LEADERSHIP

Robust, innovative technologies that provide reliable, accurate and repeatable measurement and diagnostics

### WIDEST BREADTH OF PRODUCT

Broad range of flow measurement products deliver the flexibility and performance required

### UNPARALLELED VALUE

Exceptional expertise and support ensures the best flow technology selection for the application



Emerson's Micro Motion and Rosemount are known globally in over 85 countries for quality and reliability. As part of the Emerson PlantWeb® digital plant architecture, we enable increased plant availability, decreased costs and enhanced safety. Emerson delivers application expertise, service and technical support not available elsewhere.



Emerson Process Management offers a wide range of flow measurement technologies including:

- Daniel Differential Pressure, Ultrasonic and Turbine
- Micro Motion Coriolis Flow and Density
- Rosemount Differential Pressure
- Rosemount Magnetic and Vortex
- Roxar Multiphase

Learn more about Emerson's complete breadth of measurement technologies at [www.EmersonProcess.com](http://www.EmersonProcess.com)



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