



# Flow Solutions

Achieve Measurement Confidence  
For Every Application



Micro Motion Coriolis meters are the highest performing mass flow and density measurement devices available today.



Daniel and Rosemount Differential Pressure (DP) meters are versatile, easy to install and troubleshoot.



Rosemount Magnetic meters deliver best-in-class performance coupled with advanced diagnostics.



Rosemount Vortex meters eliminate potential leak points with gasket-free meter body designs.



Daniel Ultrasonic meters deliver advanced process insight to ensure unparalleled accuracy and reliability.



Daniel Liquid Turbine meters are preferred for accurate, repeatable performance over an extended flow range.

Meter Requirements		Coriolis	DP	Magnetic	Vortex	Ultrasonic	Turbine
Liquid	Clean Liquids	✓	✓	✓	✓	✓	✓
	Measurement Uncertainty	0.05-0.5%	0.5-2.0%	0.15-25%	0.65-0.75%	0.1-0.25%	0.15-0.3%
	Volume Flow	✓	✓	✓	✓	✓	✓
	Mass Flow	✓	✓	✓	✓	✓	✓
	Slurry	✓	✓	✓	✓	✓	✓
	Dirty Water	✓	✓	✓	✓	✓	✓
	Emulsions	✓	✓	✓	✓	✓	✓
	Corrosive Liquid	✓	✓	✓	✓	✓	✓
	Erosive	✓	✓	✓	✓	✓	✓
	High Viscosity	✓	✓	✓	✓	✓	✓
	Non-Newtonian	✓	✓	✓	✓	✓	✓
	Process Temperature >393°F (200°C)	✓	✓	✓	✓	✓	✓
	Process Pressure >1450 psi (100 bar)	✓	✓	✓	✓	✓	✓
	Non-Conductive	✓	✓	✓	✓	✓	✓
Conductive	✓	✓	✓	✓	✓	✓	
Gas	Clean Gas	✓	✓	✓	✓	✓	✓
	Measurement Uncertainty	0.25-0.75%	0.5-2.0%	1.00%	1.00%	0.10%	0.10%
	Volume Flow	✓	✓	✓	✓	✓	✓
	Mass Flow	✓	✓	✓	✓	✓	✓
	Corrosive	✓	✓	✓	✓	✓	✓
	Wet, Rich Gas	✓	✓	✓	✓	✓	✓
	Process Temperature >393°F (200°C)	✓	✓	✓	✓	✓	✓
	Process Pressure >1450 psi (100 bar)	✓	✓	✓	✓	✓	✓
Steam	Clean Steam	✓	✓	✓	✓	✓	✓
	Measurement Uncertainty	0.5-2.0%	0.5-2.0%	1.00%	1.00%	0.10%	0.10%
	Volume	✓	✓	✓	✓	✓	✓
	Mass	✓	✓	✓	✓	✓	✓
	Superheated Steam >527°F (300°C)	✓	✓	✓	✓	✓	✓
	Saturated Steam	✓	✓	✓	✓	✓	✓
	Wet Steam	✓	✓	✓	✓	✓	✓
Dirty Steam	✓	✓	✓	✓	✓	✓	
Pipeline Range	Inches Range	1/12-16"	>0.5"	0.15-48"	0.5-12"	4-42"	2-24"
	DN Range	DN1-DN400	>DN15	DN4-DN1200	DN15-DN300	DN100-DN1050	DN50-DN600
Special Application Requirements	Custody Transfer	✓	✓	✓ (water)	✓ (steam)	✓	✓
	Sanitary	✓	✓	✓	✓	✓	✓
	Marine	✓	✓	✓	✓	✓	✓
	ASME B31.1	✓	✓	✓	✓	✓	✓
	Drinking Water	✓	✓	✓	✓	✓	✓
	Bi-Directional Measurement	✓	✓	✓	✓	✓	✓
	Cryogenic	✓	✓	✓	✓	✓	✓
Safety Instrumented Systems (SIS)	✓	✓	✓**	✓	✓	✓	

\*\*Proven in use

Find out more at [www.emersonflowsolutions.com](http://www.emersonflowsolutions.com)