

## Pressure

### Rosemount 3051S Series of Instrumentation

- World's only Scalable SuperModule® Platform enables best integrated pressure, flow and level solutions
- Increase plant productivity with highest field performance, reliability and safety
- Technology innovation advancements include multivariable, wireless and advanced diagnostics



### Rosemount 3051S Scalable MultiVariable™ Mass Flow Transmitter

- Dynamically calculate mass or volumetric, energy and totalized flow
- Real-time compensation for over 25 variables
- Customize application compensation with the Scalable Platform
- Easily configure flow and device parameters with Engineering Assistant™ Software



### Rosemount 3051 Pressure Transmitter

- Proven industry standard with over 4 million installations
- Reduce engineering and installed costs with flexible Coplanar design
- Installation ready integral manifolds, flowmeters and level solutions
- Meet your application needs with extensive product offering



### Rosemount 2051 Pressure Transmitter

- Differential, gage, absolute, flow or level measurements
- Selection of protocols, wetted materials and fill fluids
- Maximize installation flexibility with Coplanar Platform



### Rosemount 2088 Pressure Transmitter

- Reliable and accurate gage or absolute measurement
- Lightweight, compact design enables easy installation



### Rosemount 4600 Oil & Gas Panel Transmitter

- Available for pressure measurements up to 20,000 psi (1380 bar)
- All-welded Stainless Steel design for harsh environments



## Rosemount 2090F Hygienic Pressure Transmitter

- Supports CIP/SIP service up to 284 °F (140 °C)
- Design conforms to 3-A Sanitary Standards



## Rosemount 2090P Pulp & Paper Pressure Transmitter

- Available process connections include threaded or flush mount PMC
- Features compact size and rugged construction



## Rosemount 3095 MultiVariable Mass Flow Transmitter

- Real-time fully-compensated mass flow based on three-in-one differential pressure, inline pressure and temperature measurements
- Improve performance and reduce maintenance costs with Ultra for Flow option
- Complies with ISO, AGA, ASME and API flow measurement standards



## Rosemount Pressure Manifolds

- Enable “flangeless” valve integration with flexible Coplanar™ design
- Reduce costs with integral manifolds – factory assembled, leak-tested and calibrated
- Achieve 50% fewer possible leak points than conventional manifold/transmitter assemblies



## Rosemount Innovative, Integrated DP Flowmeters

- Fully assembled and leak tested for out-of-the-box installation
- Lower installed costs with one integrated flowmeter
- Reduce straight pipe requirements
- Lower permanent pressure loss
- Achieve accurate measurement in small line sizes



## Rosemount Liquid Level Transmitters and 1199 Seal Systems

- Reduce installed cost, improve performance and achieve better response time
- Comprehensive process connection, fill fluid, materials and direct mount or capillary connections offering
- Optimize and quantify total system performance with QZ option
- Operate at higher temperatures and harder vacuums



## Pressure Product Selection Chart

Emerson provides a complete Rosemount pressure measurement family. Use the product selection chart below to evaluate and select the best solution for your application. Refer to the Flow Product Selection Chart or Level Product Selection Chart for more detailed product selection considerations.

Table Pressure-1. Pressure Product Selection Chart

Product Model		3051S	3051SMV	3051	2051	2088	Industry Solutions	4600	2090F	2090P	3095	
Performance	Accuracy (% of Span)	0.025%	0.04%	0.04%	0.075%	0.075%			0.25%	0.2%	0.2%	0.05%
	Stability	10 yr	10 yr	5 yr	2 yr	1 yr			3 yr	1 yr	1yr	10 yr
	Extended Warranty	12 yr	12 yr									12 yr
	Rangedown	200:1	200:1	100:1	100:1	20:1			40:1	20:1	20:1	100:1
	Ultra for Flow (% Reading)	0.04%	0.04%									0.05%
Functionality	Scalable Platform	●	●									
	MultiVariable		●									●
	Mass Flow Calculations		●									●
	Advanced Diagnostics	●										
	Safety Certification	●		●								
	Data Logging										●	
Output	HART / 4-20mA	●	●	●	●	●		●	●	●	●	
	WirelessHART - Integrated	●										
	FOUNDATION fieldbus	●		●	●						●	
	Profibus			●								
	Low Power (1-5V)			●	●	●						
MODBUS										●		
Application Solutions	Manifolds	●	●	●	●	●					●	
	Integrated Flowmeters	●	●	●	●						●	
	Liquid Level Configuration	●		●	●							
	Remote Seals	●	●	●	●	●					●	
	Oil & Gas Panel Transmitter						●					
	Hygienic Connections	●	●	●	●	●			●			
	Pulp & Paper Connections	●	●	●	●	●				●		

Selection Table Key	
●	Recommended
●	Suitable – Requires 1199 remote seal