

days, ranged to your specifications!

Rosemount® 3051 Series Pressure Transmitters

- Industry's best total performance of $\pm 0.14\%$
- Guaranteed 10-year stability on select models
- Custom ranging at no extra cost

Rosemount 3051 transmitters deliver unprecedented $\pm 0.04\%$ reference accuracy for total operating performance of $\pm 0.14\%$. This results in reduced variability and improved plant safety. Superior response—up to eight times faster than typical Smart pressure transmitters—detects and controls variations quickly and efficiently for more accurate measurements. Gauge models feature proven 10-year stability, even under the most demanding process conditions—reducing calibration frequency, which saves you operation and maintenance costs.

Units feature 4-20 mA output and HART communications protocol. Choose differential or gauge pressure models. USABlueBook will configure the transmitter to your specified range; provide us with the appropriate set points for both 4 mA and 20 mA. USABlueBook stocks these units and can program and ship them in 1 to 2 business days!

Note: Other configurations are available, as well as optional integral coplanar or traditional manifolds. Contact USABlueBook for more information.



17233



Get low-cost surge protection with Screw-In Surge Protection Barrier 37345

Accuracy:	$\pm 0.04\%$ of span ($\pm 0.10\%$ of span stock #s 17242 & 17238)
Stability:	$\pm 0.2\%$ of URL for 10 years (1 year for stock #s 17238 & 17242)
Display:	optional 4-character LCD
Output:	4-20 mA with HART® protocol
Overpressure:	up to 2320 psi (one side)
Sensing element:	silicon with 316L stainless steel diaphragm
Wetted materials:	316L stainless steel
Operating conditions:	-40 to 185°F
Process connection:	gauge models: 1/2" NPT(F); differential models 1/4" NPT(F)
Power:	9-32 VDC
Enclosure:	polyurethane-covered aluminum
Turndown ratio:	150:1

DESCRIPTION	RANGE	MINIMUM SPAN	STOCK #	EACH
3051 GAUGE PRESSURE TRANSMITTER, NO DISPLAY				
3051TG1A2B21A	-14.7 to 30 psig	0.3 psig	17230	\$
3051TG2A2B21A	-14.7 to 150 psig	1.5 psig	17231	
3051TG3A2B21A	-14.7 to 800 psig	8.0 psig	17232	
3051 GAUGE PRESSURE TRANSMITTER, WITH LCD DISPLAY				
3051TG1A2B21A M5	-14.7 to 30 psig	0.3 psig	17233	\$
3051TG2A2B21A M5	-14.7 to 150 psig	1.5 psig	17234	
3051TG3A2B21A M5	-14.7 to 800 psig	8.0 psig	17235	
3051 DIFFERENTIAL PRESSURE TRANSMITTER, NO DISPLAY				
3051CD1A22A1A	-25 to 25" H ₂ O	0.5" H ₂ O	17238	\$
3051CD2A22A1A	-250 to 250" H ₂ O	2.5" H ₂ O	17239	
3051CD3A22A1A	-1000 to 1000" H ₂ O	10.0" H ₂ O	17240	
3051CD4A22A1A	-300 to 300 psi	3 psi	17241	
3051 DIFFERENTIAL PRESSURE TRANSMITTER, WITH LCD DISPLAY				
3051CD1A22A1A M5	-25 to 25" H ₂ O	0.5" H ₂ O	17242	\$
3051CD2A22A1A M5	-250 to 250" H ₂ O	2.5" H ₂ O	17243	
3051CD3A22A1A M5	-1000 to 1000" H ₂ O	10.0" H ₂ O	17244	
3051CD4A22A1A M5	-300 to 300 psi	3 psi	17245	
Mounting Bracket for 2" Pipe or Panel, B4			17249	
Screw-In Surge Protection Barrier			37345	

Rosemount® 2088 Pressure Transmitters

- 50:1 turndown ratio gives flexibility for wide measuring changes
- Standard accuracy rating $\pm 0.075\%$ of calibrated span

Designed with long-term performance and maintainability in mind! The reliable performance for which Rosemount's transmitters are famous, coupled with Smart capabilities, make 2088 transmitters exceptional values. The 2088 uses a solid-state polysilicon pressure sensor with a 316L isolating diaphragm. The low oil fill of this design has very little temperature effect and outstanding accuracy.

Choose from standard (blind, no readout), display and LOI (local operator interface) models. LOI units feature pushbuttons for easy field configuration and a LCD that displays pressure and diagnostic information.

Note: When ordering units without LOI, please provide us with the appropriate set points for both 4 mA and 20 mA. USABlueBook stocks these units, and can configure to your specifications and ship them in 1 to 2 business days!



10239

Accuracy:	$\pm 0.075\%$ of span
Stability:	$\pm 0.10\%$ of URL (30 psi models for 1 year; 150 psi models for 3 years)
Display:	LCD
Output:	4-20 mA with HART® Protocol
Isolation diaphragm:	316L stainless steel
Turndown ratio:	50:1
Operating conditions:	-40 to 185°F (-4 to 175°F with LCD display)
Process connection:	1/2" NPT(F)
Power:	10.5-36 VDC
Housing:	aluminum, polyurethane painted, NEMA 4X

MFR #	RANGE	DISPLAY	STOCK #	EACH
2088G1S22A1	0 to 30 psi	No	14759	\$
2088G2S22A1	0 to 150 psi	No	14760	
2088G1S22A1M5	0 to 30 psi	Yes	14761	
2088G2S22A1M5	0 to 150 psi	Yes	14762	
2088G1S22A1M4	0 to 30 psi	Yes (LOI)	10239	
2088G2S22A1M4	0 to 150 psi	Yes (LOI)	10240	
Surge Protector (DIN Rail Mountable)			17701	
Screw-In Surge Protection Barrier			37345	
Block and Bleed Manifold			44979	
B4 Universal Mounting Bracket			44977	