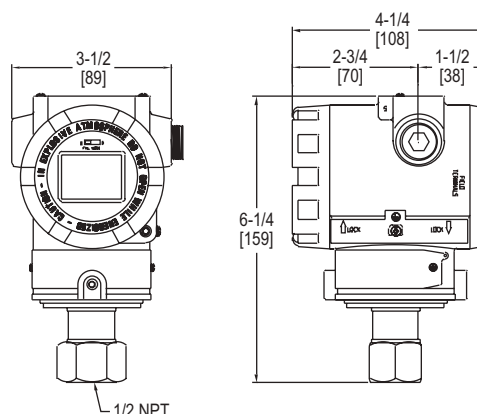


EXPLOSION-PROOF PRESSURE TRANSMITTER

HART®, Push-Button Configuration, Rangeability (100:1)

CALIBRATION SERVICES AVAILABLE



The Mercoird® Series 3200G Explosion-Proof Smart Pressure Transmitter is a microprocessor-based high performance transmitter, which has flexible pressure calibration, push-button configuration, and programmable using HART® Communication. The Series 3200G is capable of being configured with the zero and span buttons, a field calibrator is not required for configuration. The transmitter software compensates for thermal effects, improving performance. EEPROM stores configuration settings and stores sensor correction coefficients in the event of shutdowns or power loss. The Series 3200G is FM approved for use in hazardous (Classified) locations. The 100:1 rangeability allows the smart transmitter to be configured to fit any application.

BENEFITS/FEATURES

- Completely configurable using zero/span buttons (no calibrator required)
- Rangeability (100:1)
- High accuracy ($\pm 0.075\%$)
- Automatic sensor temperature compensation
- Fail-mode process function

APPLICATIONS

- Water and wastewater
- Chemical and petrochemical
- Pulp and paper
- Oil and gas
- Food and beverage

SPECIFICATIONS

Service: Compatible gases, steam, liquids or vapors.
Wetted Materials: 316L SS.
Accuracy: $\pm 0.075\%$ FS (@ 20°C).
Rangeability: 100:1 turn down.
Stability: $\pm 0.125\%$ FSO/yr.
Temperature Limits: Process: -40 to 248°F (-40 to 120°C); Ambient: Without LCD -40 to 185°F (-40 to 85°C); With LCD -22 to 176°F (-30 to 80°C).
Thermal Effect: $\pm 0.125\%$ span/32°C.
Power Requirements: 11.9-45 VDC.
Output Signal: 4-20 mA / HART® Communication.
Response Time: 0.12 s.
Damping Time: 0.25 to 60 s.
Loop Resistance: Operation: 0 to 1500 Ω ; HART® Communication: 250 to 500 Ω .
Electrical Connection: Two 1/2" female NPT conduit, screw terminal.
Process Connections: 1/2" female NPT.
Display: Optional 5 digit LCD.
Enclosure Rating: NEMA 4X (IP66) and explosion proof for Class I, Div I Groups A, B, C and D.
Weight: 5.5 lb (2.5 kg).
Agency Approvals: ATEX, CE, FM.

MODEL CHART

Model	Range psi (kPa)	Span Limits*		Maximum Pressure psi (bar)	LCD Display
		Minimum psi (kPa)	Maximum psi (kPa)		
3200G-1-FM-1-1	-14.5 to 21 (-100 to 150) (Factory set 0 to 21 psig)	0.22 (1.5)	21 (150)	58 (4)	No
3200G-2-FM-1-1	-14.5 to 217 (-100 to 1500) (Factory set 0 to 217 psig)	2 (15)	217 (1500)	580 (40)	No
3200G-3-FM-1-1	0 to 725 (0 to 5000)	7.25 (50)	725 (5000)	2000 (138)	No
3200G-4-FM-1-1	0 to 3600 (0 to 25000)	36 (250)	3600 (25000)	10000 (690)	No
3200G-5-FM-1-1	0 to 8500 (0 to 60000)	87 (600)	8700 (60000)	11600 (800)	No
3200G-1-FM-1-1-LCD	-14.5 to 21 (-100 to 150) (Factory set 0 to 21 psig)	0.22 (1.5)	21 (150)	58 (4)	Yes
3200G-2-FM-1-1-LCD	-14.5 to 217 (-100 to 1500) (Factory set 0 to 217 psig)	2 (15)	217 (1500)	580 (40)	Yes
3200G-3-FM-1-1-LCD	0 to 725 (0 to 5000)	7.25 (50)	725 (5000)	2000 (138)	Yes
3200G-4-FM-1-1-LCD	0 to 3600 (0 to 25000)	36 (250)	3600 (25000)	10000 (690)	Yes
3200G-5-FM-1-1-LCD	0 to 8500 (0 to 60000)	87 (600)	8700 (60000)	11600 (800)	Yes

*Span = Upper range limit - Lower range limit.

Note: Contact factory for custom calibration.

ACCESSORIES

Model	Description
A-630	Stainless steel angle type bracket with SS bolts
A-631	Stainless steel flat type bracket with SS bolts
BBV-0N	2-valve block manifold
DevCom2000	HART® communication protocol software

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CALIBRATION SERVICES AVAILABLE

MODEL CHART													
Example	3200G	-2	-FM	-3	-1	-LES	S2	A1	05	S	2	-05	-LCD
Series	3200G												
Range		1 2 3 4 5											
Approval			FM ATEX WP										
Process Connection				1 3									
Electrical Connection					1								
Diaphragm Seal Type						LED LES LFD LFS							
Mounting Flange							S2 S3						
Mounting Flange Rating							A1 A2 D1 D2 J1 J2						
Extension Length								00 05 10 15					
Diaphragm Material								S P H T					
Fill Fluid									2				
Capillary Length										XX			
Options											CC LCD NIST SSH		

CUSTOM CALIBRATION VALUES	
Primary Units	In w.c., ft w.c., mm w.c., in Hg, psig, g/cm², kg/cm², Pa, kPa, bar, mbar, Torr, Atm, mm Hg
Upper Range Limit	20 mA value
Lower Range Limit	4 mA value
Damping Time	0 to 60 seconds
Display Mode	Primary unit, %, mA, rotate

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