

SANITARY PROFIBUS PA PRESSURE TRANSMITTER

PMP SERIES

Electronic Profibus Pressure Transmitter

Sanitary Process Connection

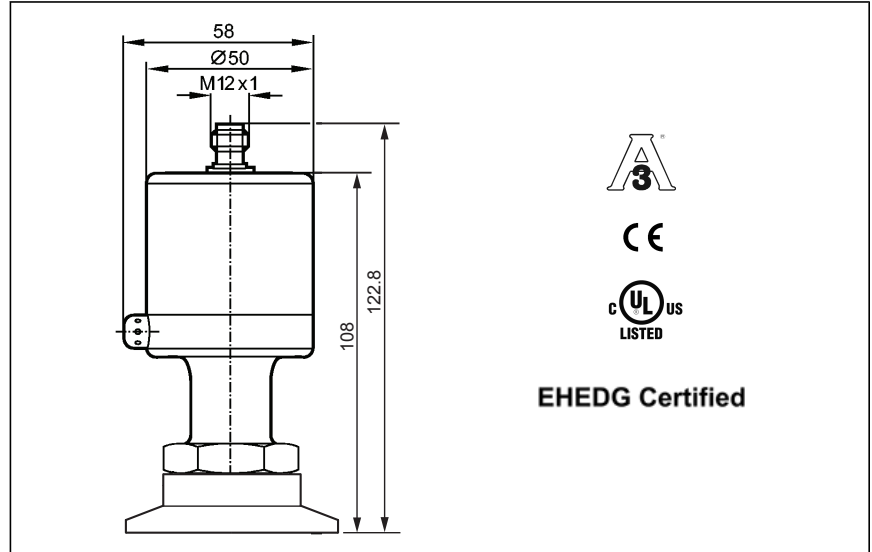
Online Monitoring/Diagnosis of
Electronics and Measuring Cell
Profibus PA Profile 3.01
I&M Functionality

Suitable for All Standard CIP and SI
Processes

Quickly Connects with Water Tight
Standard M12 Industrial Connector
(Cables and Connectors Sold Seper

Available in the following Ranges:

- 14.5 to 145 PSI - PMP94
- 1.8 to 36.24 PSI - PMP96
- 0.73 to 14.5 PSI - PMP97



Applications

Type of Pressure: Relative Pressure
Hygienic Systems, Viscous Media and Liquids with Suspended Partivcles
Liquids and Gases

Electrical Design

Profibus PA, Electrically Isolated

Operating Voltage	[V]
Reverse Polarity Protection	
Overload Protection	
Integrated Watchdog	
Current Loop Consumption (mAmp)	
Pressure Rating (min)	
Bursting Pressure (min)	
Programming Options	
Accuracy / Deviations (in % of span) Turn Down 1:1 Characteristics Deviation *)	
Linearity	
Hysteresis	
Repeatability **)	
Long-Term Stability ***)	
Temperature Coefficients (TEMPCO) in the Temperature Range of 0...80°C (in % of the Span Per 10 K)	
Greatest TEMPCO of the Zero Point	
Greatest TEMPCO of the Span	

9...32 Volts DC ¹⁾
Yes
Yes
Yes
< 15.6 ****)
5 x Pressure Rating
15 x Pressure Rating
Parameter Setting According to Profibus PA Profile Pressuer Transmitter, Ver. 3.01; I&M Parameter; Zero Point Offset, Damping
< ± 0.2
< ± 0.15
< ± 0.15
< ± 0.1
< ± 0.1
< ± 0.05
< ± 0.15

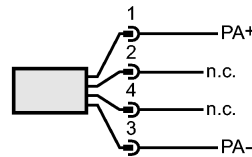


CHICAGO STAINLESS EQUIPMENT

SANITARY PROFIBUS PRESSURE TRANSMITTER

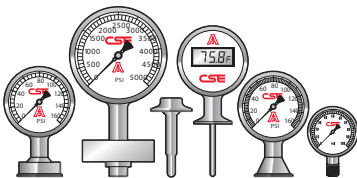
Power-On Delay Time (sec)	35
Measuring / Display Cycle (ms)	< 70
Ambient Temperature (°C)	-25...85
Medium Temperature (°C)	-25...125 (145 max 1 Hr)
Storage Temperature (°C)	-40..100
Protection	IP68 / IP 69K, III
Insulation Resistance (MΩ)	> 100 (500 V DC)
Shock Resistance	DIN IEC 68-2-27: 50 g (11ms)
Vibration Resistance	DIN IEC 68-2-6: 20 g (10... 2000Hz)
Minimum Pressure Cycles	100 Million
EMC	EN61000-4-2 ESD: 4kV CD / 8 kV AD EN61000-4-3 HF Radiated: 10V/m EN61000-4-4 Burst: 2kV EN 61000-4-5 Surge: 0.5/1 kV EN61000-4-6 HF Conducted: 10 V
Housing Materials	Stainless Steel 316L/1.4404; PTFE; ULTEM; Viton
Materials Wetted Surfaces	Stainless Steel 316L/1.4435; Ceramics (99.9% Al ₂ O ₃); PTFE; Ra < 0.4/Rz 4
Connection	M12 Connector; Gold-Plated Contacts
Remarks	n.c. = Not Connected 1) To EN50178, SELV, PELV *) Linearity, Including Hysteresis and Repeatability; (limit value setting to DIN 16086) **) With Temperature Fluctuations < 10 K ***) In % of Span per Year ****) Maximun Fault Current < 21.8 mAmp

Wiring



DISTRIBUTED BY:

For more information or for a distributor in your area, contact us:
Chicago Stainless Equipment
800-927-8575
www.chicagostainless.com
pt@chicagostainless.com



Quality Products Since 1937
www.chicagostainless.com

©2009, Chicago Stainless Equipment. All Rights Reserved.
Bulletin PMP (Rev. 9/09) Printed in USA

Visit our website or request a catalog to see our complete line of high quality precision products including:

Sani-Flow Pressure Gauges, Homogenizer Pressure Gauges, Industrial Stainless Steel Pressure Gauges, Digital Thermometers, B-Metaol Thermometers, Pharma-Flow Pressure Gauges, Chem-Flow Pressure Gauges, Electronic Sensors Cable, Sanitary Temperature Sensors & Thermowells.