

PG-3000 – Digital Pressure Gauge

Rev. 12.01



■ Operational Description

Battery Powered Digital Gauge in NEMA 7 Enclosure

The PG-3000 Series is a high-performance digital pressure gauge powered from two long-life battery cells. It offers an extra large (0.6 in.) 4.5 digit liquid crystal display with an automatic light actuated circuit which turns the unit off in darkness. This can greatly extend the battery life when used in areas which are not continuously illuminated. The long life sensing element is vibration and shock resistant, and being fabricated from a single block of stainless steel provides excellent burst and overpressure characteristics. A NEMA 7 housing permits use in harsh environments. The gauge is certified CSA US for use in Class I, Division I, Groups B, C & D; Class II, Groups E, F & G; Class III; and 4X areas. 4-20 mA output (loop powered) is available.



pressure products

PG-3000

Digital Pressure Gauge

- Ranges vacuum to 10,000 psi
 - Self-powered by long-life batteries
 - Very large 4 1/2 LCD display (0.6 in. characters)
 - Explosion proof housing
 - Automatic light-actuated battery-saver circuit
 - $\pm 0.25\%$ of full scale accuracy
- ### ■ Options
- Metric units available
 - 4-20 mA output (loop powered)
 - For other options consult factory
 - ± 0.1 F.S. accuracy available on some ranges
 - Range 19990 with dummy zero (special high pressure fitting)

■ Applications

The PG-3000 is an ideal local pressure indicator for industrial and continuous process applications where conventional devices are failing to provide reliability and performance in severe environments.

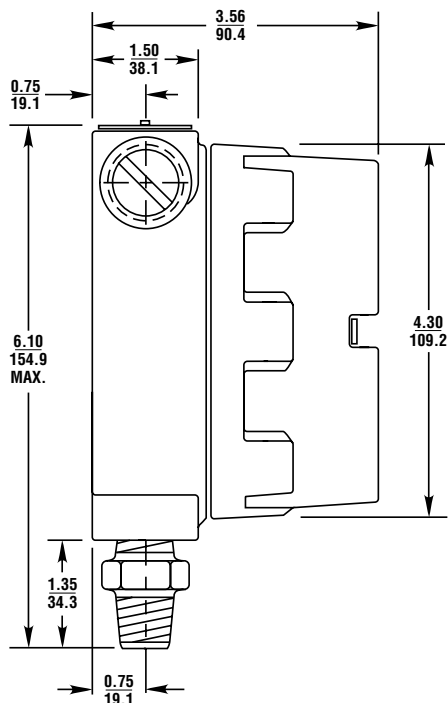
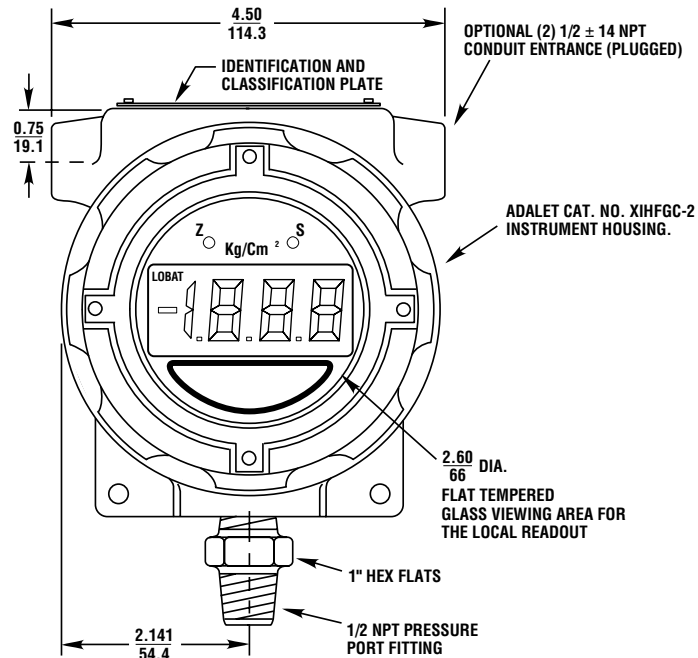


in.
mm

■ Specifications

PERFORMANCE	
Standard Pressure Ranges:	Vacuum to 19990 psi gage or absolute
Overpressure:	2x full scale
Burst Pressure:	10x full scale or 40,000 psi (whichever is less)
Accuracy (linearity, hysteresis, and repeatability):	±0.25% of full scale (B.F.S.L.) ±1 digital count
Thermal Zero Shift:	±0.02% F.S./°F
Thermal Sensitivity Shift:	±0.02% F.S./°F
Life:	10 million cycles minimum
ENVIRONMENTAL	
Compensated Temperature:	30 to 130°F
Storage Temperature:	-40 to 160°F
Operating Temperature:	0 to 160°F
ELECTRICAL	
Batteries:	3.6 V , C-size lithium battery (2-year life)
Display Type:	4.5 digit LCD, 0.6 in. digits
Resolution:	
Transducer:	Infinite; Display: 1 part in 9999
Type:	LCD, 7 segments, 0.6 in. height digits
Low Battery Detection:	Displays L B A T
Adjustments:	Front accessible (remove cover) "Z" Zero adjust; "S" Span adjust
PHYSICAL	
Case:	Sand-cast aluminum, NEMA 7
Wetted Materials:	316SS
Cavity Volume:	0.11 ³ in.
Approvals:	CSA US certified for Class I, Division I, Groups B, C & D; Class I, Groups E, F & G; Class III; and 4X areas.

■ Dimensions



■ Ordering Information

PG-3000 - [] - [] - []

Model Number	
Pressure Range	Please specify in psi
Pressure	
G	Gage pressure
A	Absolute pressure
Output	
0	No analog output
2	4-20 mA output



For the Latest Information

Try Our Fax Back System at **1/916/431-6544**

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