



## ■ Operational Description

### Battery Powered Digital Gauge Offers High Accuracy at Low Cost

The latest in solid state design, the PG-2000 incorporates a semi-conductor strain gage pressure transducer as the sensing element, conditioned by state of the art surface mount electronics. The unit requires very low power consumption, resulting in a battery life of 2 years in typical use. The large 3 1/2 digit display and  $\pm 0.25\%$  full scale accuracy allows it to replace much larger mechanical gauges.

## ■ Applications

No special tools or adaptors are required for installation of the PG-2000. This makes the unit an easy, cost-effective replacement for less accurate, standard mechanical gauges. The unit's long life, ease of operation, high accuracy, and low cost make it perfect for all applications where standard 2 1/2 in. or larger mechanical gauges have been used.



pressure products

# PG-2000

## Digital Pressure Gauge

- Large 3 1/2 digit display with 0.5 in. digits
- Battery operated with convenient on/off switch
- Ranges vacuum to 2,000 psi
- Direct reading to 2,000 psi (1,999)
- 20 minute auto-off optional at no extra cost
- $\pm 0.25\%$  accuracy
- Rugged, chemical-resistant case

## ■ Options

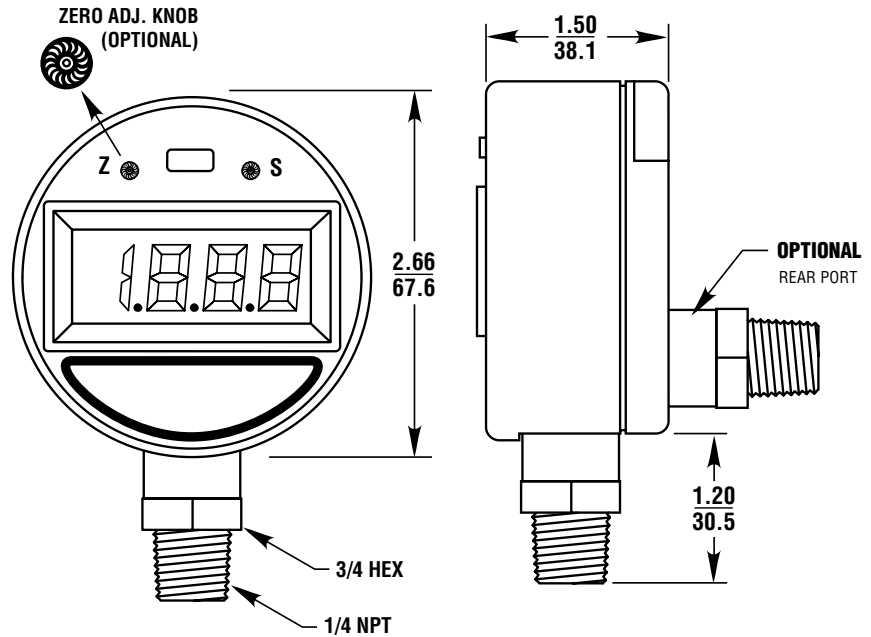
- Metric units available at standard price
- Rear pressure port
- Analog output (0–2 V)
- Zero adjust knob
- External power operation
- $\pm 0.1\%$  accuracy on selected ranges
- Absolute
- For other options consult factory



## ■ Specifications

<b>PERFORMANCE</b>
<b>Standard Pressure Ranges:</b> Vacuum to 2,000 psi gage or absolute
<b>Overpressure:</b> 2x full scale
<b>Burst Pressure:</b> 10x full scale or 20,000 psi (whichever is less)
<b>Accuracy (linearity, hysteresis, &amp; repeatability):</b> ±0.25% of full scale (B.F.S.L.) ±1 digital count
<b>Thermal Zero Shift:</b> ±0.02% F.S./°F
<b>Thermal Sensitivity Shift:</b> ±0.02% F.S./°F
<b>Life:</b> 10 million cycles minimum
<b>ENVIRONMENTAL</b>
<b>Compensated Temperature:</b> 30 to 130°F
<b>Storage Temperature:</b> -40 to 160°F
<b>Operating Temperature:</b> 0 to 160°F
<b>ELECTRICAL</b>
<b>Batteries:</b> Standard 9 V (1), user replaceable 2-year life
<b>Display Type:</b> 3.5 digit LCD, 0.5 in. digits
<b>Resolution:</b>
<b>Transducer:</b> Infinite; <b>Display:</b> 1 part in 1999
<b>Low Battery Detection:</b> Displays "LOBAT"
<b>Adjustments:</b> Front Accessible "Z": Zero Adjust; "S": Span Adjust
<b>Auto Off:</b> 20 minutes
<b>PHYSICAL</b>
<b>Construction Materials:</b>
<b>Case:</b> Injection Molded Case Material EMI-X® PDX-W-88341
<b>Wetted Materials:</b> 15-5SS. 316SS available at no extra charge.
<b>Cavity Volume:</b> 0.07³ in.

## ■ Dimensions



## ■ Ordering Information

PG-2000 - [ ] - [ ] - [ ] [ ] [ ] [ ]	
<b>Model Number</b>	
<b>Pressure Range</b>	_____ Please specify in psi
<b>Pressure</b>	
<b>G</b>	Gage pressure
<b>A</b>	Absolute pressure
<b>Auto Off</b>	
<b>0</b>	No auto off
<b>4</b>	20 min.
<b>Knob</b>	
<b>0</b>	No knob
<b>1</b>	"Z" knob
<b>Port</b>	
<b>0</b>	Bottom port
<b>1</b>	Rear port
<b>Output</b>	
<b>0</b>	No analog output
<b>1</b>	Analog output (0-2 V)
<b>2</b>	4-20 mA output



### For the Latest Information

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