PG10 Digital Pressure Gauge



Flexible by Design

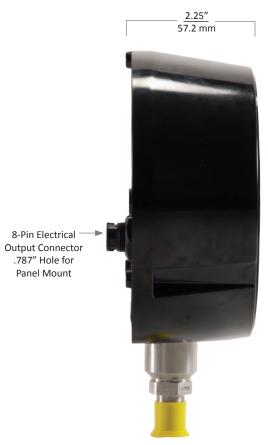
The PG10 digital pressure gauge gives you true at-a-glance readability with the large 5-digit display and 270° radial bar graph. Built-in datalogging headlines a long list of standard funtions.

Features

- Large, full 5-digit display with 0.68 in. characters
- Available ranges from vacuum up to 10,000 psi
- Tare, Peak Hold, Max/Min, and data-logging functions standard
- ±0.25% accuracy of full scale
- User selectable units of measure (psi, kPa, mmHg, cmHg, mbar, bar, inH₂O, ftH₂O, kg/cm², lbf)

PG10 Specifications







- Accuracy (linearity & hysteresis): ±0.25% of full scale (BFSL) ±0.1% accuracy in selected ranges
- Stability One Year Zero Drift: <±1% FS
- Thermal Zero Shift: ±0.02% FS/ °F
- Thermal Sensitivity Shift: ±0.02% FS/ °F
- Life: 10 million cycles minimum
- Adjustments: Auto zero, tare



Output Options: 4-20 mA, 0-2 VDC, 0-5 VDC, Solid State Relays, SPDT relays



Environmental

- Compensated Temp: 20° 130°F (-7° 54°C)
- Storage Temp: -40° 160°F (-40° 71°C)
- Operating Temp: 0° 160°F (-18° 71°C)



Certification

- NIST certification on select ranges
- CE



Battery Option:

- (2) C alkaline; 8,000 hrs typical
- (2) lithium batteries; 12,000 hrs typical

Auto-off: 2-32 minutes

Low battery detection with 25% increments

- External Power Option: 9-28 VDC
- 8-Pin Connector: IP67/68 rated bayonet



Programming

Programmable Features:

User selectable units of measure, Max/Min Reset & Reading, Peak-Hold, Tare, Sample Rate, Range Adjustment, Adjustable Resolution, Auto-Off



Physical

- Size: 5.45" x 2.25" (138.4 x 57.2 mm) Connection: 1.59" (40.5 mm)
- Weight: 1.6 lb (725.75 grams)
- Weather-resistant injected molded phenolic
- Wetted Materials: 316L SS: up to 10,000 psi
- Display: 5 digit LCD, 0.68 in. digits
- IP65

Options

Part Number: PG10 -

A. Common Pressure Ranges

□ 5.00 50.00 □ **200.00** □ **1000** □ 5000 **15.00** □ 60.00 **300.0 □ 2000** □ 10000

□ 30.00 □ 100.00 □ 500.0 □ 3000

B. Pressure Type Table

□ PSIG▲ Gauge (up to 500 psi) □ PSICG Compound gauge

□ PSIV Vacuum Absolute □ PSIA

Sealed gauge (greater than 500 psi) □ PSIS

C. Port

□ F0[▲] **Bottom** □ F1 Rear

□ F2 Bottom with O2 clean Rear with O2 clean □ F3

□ F5 Remote transducer with mV sensor

□ **F6** Rear panel mount bracket

D. Operation (see Operation Table)

□ L0 (2) AA batteries; no output

□ L1-E35 4-20 mA (loop powered) output

□ L2-E35 0-2 VDC output □ L3-E35 0-5 VDC output □ L4-E35 External Power

□ L5-E35 RS-485; external Power (mating connector sold separately)

Dual lithium batteries

□ **L7** *Auto-off options are not available with L1-E35, L3-E35, or L4-E35

E. Relays

□ CO No Solid-State Relays

(2) Solid-State Relays with Visual Indication (L3 & L4, L5 types only; 120 mA max, 240V AC/DC max)

(2) SPDT mechanical relays with Visual Indication □ C4 (L1-L5 types only; 1A max @ 24 VDC)

F. Process Connection

□ **P0** 1/4 - 18 NPTM

□ **P7** 7/16 - 20 SAE Male

□ **P14** 1/8 - 27 NPTM

□ **P16** PT 1/4 (BSPM 1/4)

*Other options available

G. Accuracy

□ **NO** ±0.25%

□ **N1** ±0.25% with NIST certification

 \square **N2** $\pm 0.1\%$ with NIST certification (select ranges)

Note: ▲Indicates this option is standard.

Operation Table

	L1: 4-20 mA	L2: 0-2 VDC	L3: 0-5 VDC
Input Voltage (Excitation)	9 VDC min - 28 VDC max	Battery Powered	9-28 VDC
Input Current	3-30 mA max		6 mA max
Output	4-20 mA ±0.16 mA at set points	Zero set point ±0.15 C with a 2 VDC span V0.02 VDC	0-5 VDC / ±0.05 VDC at set points
Output/Input	2 wire loop powered	2 wire	3 wire Non-isolated
Resolution	14 bit	14 bit	14 bit
Protection	Reversed Polarity		Reversed Polarity

PG10 Accessories

Please order separately, by part number.

Description	Part Number
8-pin circular mating connector (E35)	135007
8-pin circular mating connector (E35) with cable	135007-00BB (B=cable length)
Power supply w/8 pin terminal block (cable & mating connector not included)	511643
Panel mount bracket with screws	512600

^{*}Other ranges available