

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 functions.

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
- $\pm 0.25\%$ accuracy of full scale
- User selectable units of measure
(psi, kPa, mmHg, cmHg, mbar, bar, inH₂O, ftH₂O, kg/cm², lbf)

Datos fiscales:

Corporación Eco Industrial y Comercial S.A de C.V.
Plan de San Luis # 101 Int. 801 Col. El Coecillo
León, Gto. C.P. 37260

Oficina de Ventas:

Cd. de México
Cd. de Querétaro
Nextel

Tel (55) 5510-4265
Tel (442) 212-8075
Tel 01 (442) 413 7630
Tel 01 (442) 410 1565

PG10 Specifications



Performance

- 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

Connectivity

- 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

Electrical

- 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

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Options

Part Number: PG10 - G

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

*Other ranges available

B. Pressure Type Table

- PSIG**[▲] Gauge (up to 500 psi)
 PSICG Compound gauge
 PSIV Vacuum
 PSIA Absolute
 PSIS Sealed gauge (greater than 500 psi)

C. Port

- F0**[▲] Bottom
 F1 Rear
 F2 Bottom with O₂ clean
 F3 Rear with O₂ clean
 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)
 L7 Dual lithium batteries
 *Auto-off options are not available with L1-E35, L3-E35, or L4-E35

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

E. Relays

- C0**[▲] No Solid-State Relays
 C2 (2) Solid-State Relays with Visual Indication (L3 & L4, L5 types only)
 - Temperature at 25°C (77°F)
 120 mA max, 240V AC/DC max;
 - Temperature at 60°C (140°F)
 80 mA max, 240 AC/DC max
 C4 (2) SPDT mechanical relays with Visual Indication (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

- N0**[▲] ±0.25%
 N1 ±0.25% with NIST certification
 N2 ±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

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