IP65 Digital Pressure Gauge with 5.5” Display
Series: PG10

The PG10 digital pressure gauge gives you true at-a-glance readability with the large 5-digit display and 270º 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
- ±0.25% of full scale accuracy standard; ±0.1% available
- User selectable units of measure (psi, kPa, mmHg, cmHg, mbar, bar, inH₂O, ftH₂O, kg/cm², lbf)
- Available RS-485/Modbus Output
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: ±0.04% FS/ ºF
- Thermal Sensitivity Shift: ±0.04% FS/ ºF
- Life: 10 million cycles minimum
- Adjustments: Auto zero, tare

Connectivity
- Output Options:
  4-20 mA, 0-2 VDC, 0-5 VDC, RS-485

Environmental
- Compensated Temp: 20º - 130ºF (-7º - 54ºC)
- Storage Temp: -40º - 160ºF (-40º - 71ºC)
- Operating Temp: 0º - 160ºF (-18º - 71ºC)

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 5,000 psi
  15-5 SS: 5,000 psi and above
- Display: 5 digit LCD, 0.68 in. digits
- IP65
## COMMON MODEL CONFIGURATIONS

2 C Batteries / No Output, 1/4” NPTM Bottom Port

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Model Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PG10-15.00-PSIA-F0-L0-E0-C0-P0-N0</td>
<td>0-15 PSI, Absolute Pressure Reference</td>
</tr>
<tr>
<td>PG10-15.00-PSIG-F0-L0-E0-C0-P0-N0</td>
<td>0-15 PSI, Gauge Pressure Reference</td>
</tr>
<tr>
<td>PG10-30.00-PSIG-F0-L0-E0-C0-P0-N0</td>
<td>0-30 PSI, Gauge Pressure Reference</td>
</tr>
<tr>
<td>PG10-50.00-PSIG-F0-L0-E0-C0-P0-N0</td>
<td>0-50 PSI, Gauge Pressure Reference</td>
</tr>
<tr>
<td>PG10-100.00-PSIG-F0-L0-E0-C0-P0-N0</td>
<td>0-100 PSI, Gauge Pressure Reference</td>
</tr>
<tr>
<td>PG10-200.0-PSIG-F0-L0-E0-C0-P0-N0</td>
<td>0-200 PSI, Gauge Pressure Reference</td>
</tr>
<tr>
<td>PG10-300.0-PSIG-F0-L0-E0-C0-P0-N0</td>
<td>0-300 PSI, Gauge Pressure Reference</td>
</tr>
<tr>
<td>PG10-500.0-PSIG-F0-L0-E0-C0-P0-N0</td>
<td>0-500 PSI, Gauge Pressure Reference</td>
</tr>
<tr>
<td>PG10-1000.0-PSIG-F0-L0-E0-C0-P0-N0</td>
<td>0-1,000 PSI, Sealed Gauge Pressure Reference</td>
</tr>
<tr>
<td>PG10-5000.0-PSIG-F0-L0-E0-C0-P0-N0</td>
<td>0-5,000 PSI, Sealed Gauge Pressure Reference</td>
</tr>
<tr>
<td>PG10-10000.0-PSIG-F0-L0-E0-C0-P0-N0</td>
<td>0-10,000 PSI, Sealed Gauge Pressure Reference</td>
</tr>
</tbody>
</table>

## PG10 ACCESSORIES

Please order separately, by part number.

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>8-pin circular mating connector (E35)</td>
<td>135007</td>
</tr>
<tr>
<td>8-pin circular mating connector (E35) with cable</td>
<td>135007-00BB (B=cable length)</td>
</tr>
<tr>
<td>Power supply w/8 pin terminal block (cable &amp; mating connector not included)</td>
<td>511643</td>
</tr>
<tr>
<td>Panel mount bracket with screws</td>
<td>512600</td>
</tr>
</tbody>
</table>
MODEL CONFIGURATION OPTIONS

Model Number: PG10 - _____ - _____ - _____ - _____ - __C0__ - _____ - _____

A. Common Pressure Ranges*

[ ] 5.000
[ ] 15.00
[ ] 30.00
[ ] 100.0
[ ] 200.0
[ ] 1000
[ ] 5000
[ ] 15.00
[ ] 60.00
[ ] 300.0
[ ] 2000
[ ] 10000
[ ] 30.00
[ ] 100.00
[ ] 500.0
[ ] 3000

*Other ranges available

B. Pressure Type

[ ] PSIG   ▲ Gauge (≤ 500 psi)
[ ] PSICG  ▲ Compound gauge (≤ 500 psi)
[ ] PSIV   ▲ Vacuum
[ ] PSIA   ▲ Absolute (≤ 500 psi)
[ ] PSIS   ▲ Sealed gauge (> 500 psi)

C. Port

[ ] F0   ▲ Bottom
[ ] F1   ▲ Rear
[ ] F2   ▲ Bottom with O₂ clean
[ ] F3   ▲ Rear with O₂ clean
[ ] F5-XX* ▲ Remote transducer with mV sensor-bottom
[ ] F6   ▲ Remote transducer with mV sensor-rear
[ ] F10-XX* ▲ Remote transducer with mV sensor-rear

*XX for feet of cable, 30 ft max.

D. Operation (see Operation Table)

[ ] L0-E0 ▲ (2) C 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, Logging Software
[ ] L7-E0 ▲ (2) C-size lithium batteries (no output)

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

E. Relays

[ ] C0 ▲ No Relays

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

<table>
<thead>
<tr>
<th>Input Voltage (Excitation)</th>
<th>L1: 4-20 mA</th>
<th>L2: 0-2 VDC</th>
<th>L3: 0-5 VDC</th>
<th>L5: RS-485</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 VDC min - 28 VDC max</td>
<td>Battery Powered</td>
<td>9-28 VDC</td>
<td>12-28 VDC</td>
<td></td>
</tr>
<tr>
<td>3-30 mA max</td>
<td>6 mA max</td>
<td>6 mA max</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4-20 mA ±0.16 mA at set points</td>
<td>Zero set point ±0.15 C with a 2 VDC span V0.02 VDC</td>
<td>0-5 VDC / ±0.05 VDC at set points</td>
<td>RS-485 Modbus RTU</td>
<td></td>
</tr>
<tr>
<td>2 wire loop powered</td>
<td>2 wire</td>
<td>3 wire</td>
<td>4 wire</td>
<td></td>
</tr>
<tr>
<td>14 bit</td>
<td>14 bit</td>
<td>14 bit</td>
<td>14 bit</td>
<td></td>
</tr>
</tbody>
</table>

Protection

Reversed Polarity
Reversed Polarity
Reversed Polarity