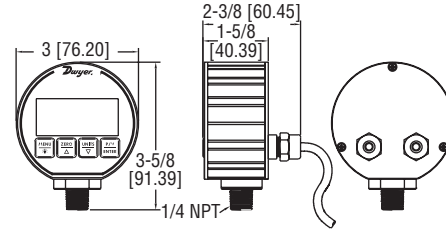




DIGITAL PRESSURE GAGE

3-in-1: Gage, Transmitter & Switch



The **SERIES DPG-200** Digital Pressure Gage has a precise $\pm 0.25\%$ full-scale accuracy. The 4 digit digital display will reduce the potential for errors in readings by eliminating parallax error commonly produced with analog gages. The DPG-200 is packaged in a durable extruded aluminum case designed to meet NEMA 4X (IP66). The unit is powered by 12 to 24 VDC/VAC and contains two alarm set points along with a 4-20 mA process output. A four-button keypad allows easy access to features. These features include backlight, peak and valley, auto zero and conversion of the pressure units. Pressure ranges also in mbar, kg/cm², oz/in², in Hg, mm Hg, ft w.c. and ft sw for various models.

FEATURES/BENEFITS

- High accuracy provides exceptional measurement minimizing costly out of specification conditions
- Backlit 4-digit display provides clear parallax-free reading reducing potential for errors
- Durable aluminum case to meet NEMA 4X (IP66) requirements supports use in harsh or outdoor environments
- Push-button zero reduce installation and service time

APPLICATIONS

- Process control
- Compressor control

MODEL CHART

| Model | Range (psig) | Pressure Ranges | | | | |
|---------|--------------|-----------------|---------|--------|---------|---------|
| | | bar | ft w.c. | kPa | in w.c. | cm w.c. |
| DPG-200 | -14.70-0 | -1.013 | -33.94 | -101.4 | -407.3 | -1034 |
| DPG-202 | 15.00 | 1.034 | 34.61 | 103.4 | 415.2 | 1055 |
| DPG-203 | 30.00 | 2.069 | 69.21 | 206.9 | 830.4 | 2109 |
| DPG-204 | 50.00 | 3.448 | 115.4 | 344.8 | 1384 | 3515 |
| DPG-205 | 100.0 | 6.895 | 230.7 | 689.5 | 2768 | 7031 |
| DPG-206 | 200.0 | 13.79 | 461.4 | 1379 | 5536 | - |
| DPG-207 | 300.0 | 20.69 | 692.1 | 2069 | 8304 | - |
| DPG-208 | 500.0 | 34.48 | 1154 | 3448 | - | - |
| DPG-209 | 1000 | 68.98 | 2307 | 6895 | - | - |
| DPG-210 | 3000 | 206.9 | 6921 | - | - | - |
| DPG-211 | 5000 | 344.8 | - | - | - | - |

Compound range available: DPG-220 range: 30" Hg-0-15 psi.

SPECIFICATIONS

DIGITAL GAGE SPECIFICATIONS

Service: Liquids and non-combustible compatible gases.
Wetted Materials: Type 316L SS.
Enclosure: Black polycarbonate front & back cover, anodized aluminum extruded enclosure with recessed grooves, polycarbonate overlay, Buna-N O-rings, 316L SS sensor construction.
Accuracy: 0.25% FS ± 1 least significant digit (includes linearity, hysteresis, repeatability).
Pressure Limit: 2x pressure range for models ≤ 1000 psi; 5000 psi for 3000 psi range; 7500 psi for 5000 psi range.
Temperature Limits: 0 to 158°F (0 to 70°C).
Process Connection: 1/4" male NPT.
Display: 4 digit (.425" H x .234" W digits).
Size: 3.00" OD x 1.90" deep (not including cables).
Weight: 8.84 oz (275 g).

SWITCH SPECIFICATIONS

Switch Type: 2 SPDT form C contacts.
Electrical Rating: 0.5 A @ 125 VAC resistive, 1 A @ 24 VDC.
Relay Differential: 1 least significant digit.
Electrical Connections: 3 ft (.91 m) cable.
Mounting Orientation: Mount in any position.
Set Point Adjustment: Via menu.

TRANSMITTER SPECIFICATIONS

Temperature Limits: 0 to 158°F (0 to 70°C).
Thermal Effect: Between 70 to 158°F = 0.016%/°F. Between 0 to 70°F = 0.026%/°F.
Power Requirements: 12 to 24 VAC $\pm 20\%$ 50 to 400 Hz, 12 to 24 VDC $\pm 20\%$.
Output Signal: 4 to 20 mA.
Loop Resistance: 600 Ω max.
Power Consumption: 0.8 W max.
Electrical Connections: 3 ft (.91 m) cable.
Enclosure Rating: Designed to meet NEMA 4X (IP66).