

DIGITAL PRESSURE GAGE

3-in-1: Gage, Transmitter and 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 12-24 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/cm^2 , oz/in^2 , in Hg, mm Hg, ft w.c. and ft sw for various models.

FEATURES/BENEFITS

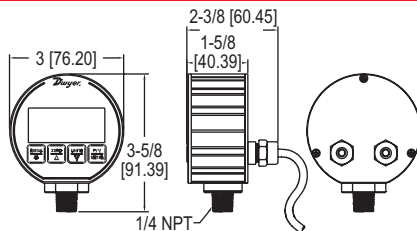
- High accuracy provides exceptional measurement minimizing costly out of specification conditions
- Backlit 4-digit display provides clear parallax-free reading reducing potential for errors
- Durable aluminum case to meet NEMA 4X (IP66) requirements supports use in harsh or outdoor environments
- Push-button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

APPLICATIONS

- 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: 32 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: 12-24 VAC $\pm 20\%$ 50 to 400 Hz, 12-24 VDC $\pm 20\%$.

Output Signal: 4-20 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).

OPTIONS

To order, add suffix: Description

-NIST NIST traceable calibration certificate

