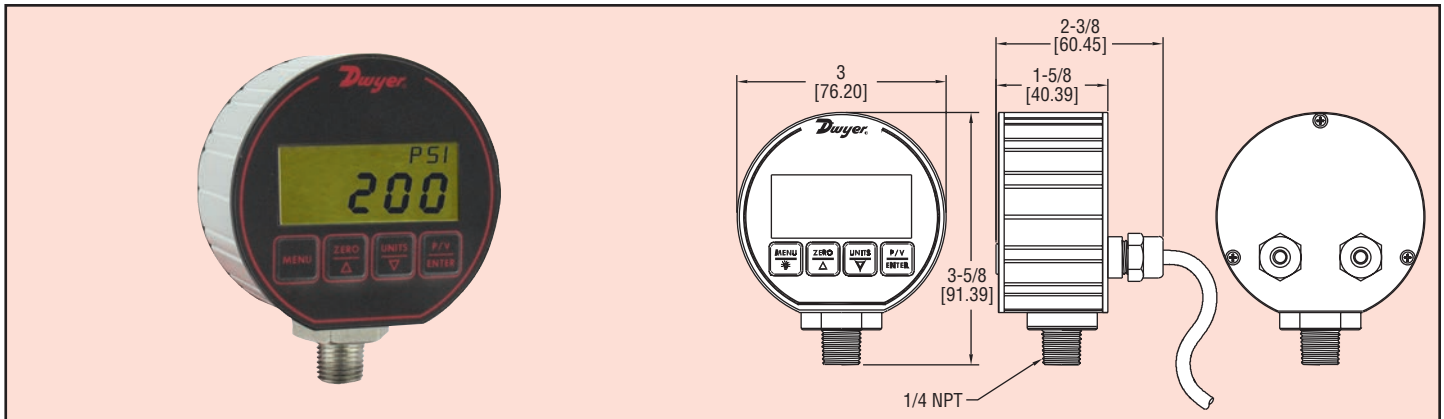




Series
DPG-200

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.

APPLICATIONS

- Process control
- Compressor control

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: 0.5A @ 125 VAC resistive, 1A @ 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).

Model	Range psig	Pressure Ranges										
		kg/cm ²	bar	in Hg	ft w.c.	ft sw*	kPa	oz/in ²	in w.c.	mbar	cm w.c.	mm Hg
DPG-200	-14.70-0	-1.033	-1.013	-29.93	-33.94	-33.06	-101.4	-235.2	-407.3	-1013	-1034	-760.7
DPG-202	15.00	1.055	1.034	30.54	34.61	33.73	103.4	240	415.2	1034	1055	775.7
DPG-203	30.00	2.109	2.069	61.08	69.21	67.45	206.9	480	830.4	2069	2109	1551
DPG-204	50.00	3.515	3.448	101.8	115.4	112.4	344.8	800	1384	3448	3515	2586
DPG-205	100.0	7.03	6.895	203.6	230.7	224.8	689.5	1600	2768	6895	7031	5172
DPG-206	200.0	14.06	13.79	407.2	461.4	449.7	1379	3200	5536			
DPG-207	300.0	21.09	20.69	610.8	692.1	674.5	2069	4800	8304			
DPG-208	500.0	35.15	34.48	1018	1154	1124	3448	8000				
DPG-209	1000	70.3	68.98	2036	2307	2248	6895					
DPG-210	3000	210.9	206.9	6108	6921	6745						
DPG-211	5000	351.5	344.8									

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

*feet of seawater @ 4°C