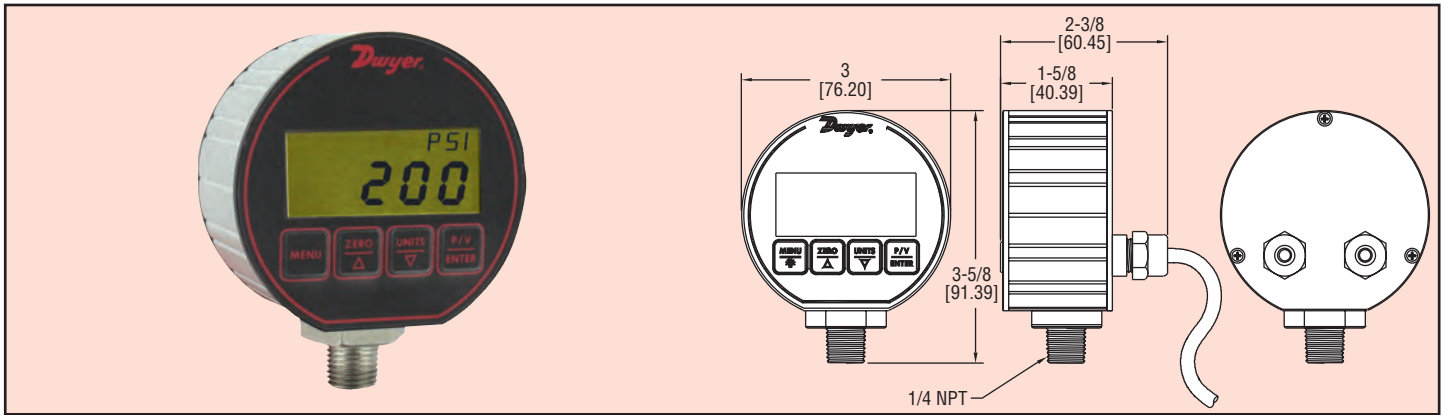




Series  
DPG-200

# 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  $\pm 1$  least significant digit (includes linearity, hysteresis, repeatability).

**Pressure Limit:** 2x pressure range for models  $\leq 1000$  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  $\Omega$  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 <sup>2</sup>	bar	in Hg	ft w.c.	ft sw*	kPa	oz/in <sup>2</sup>	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