



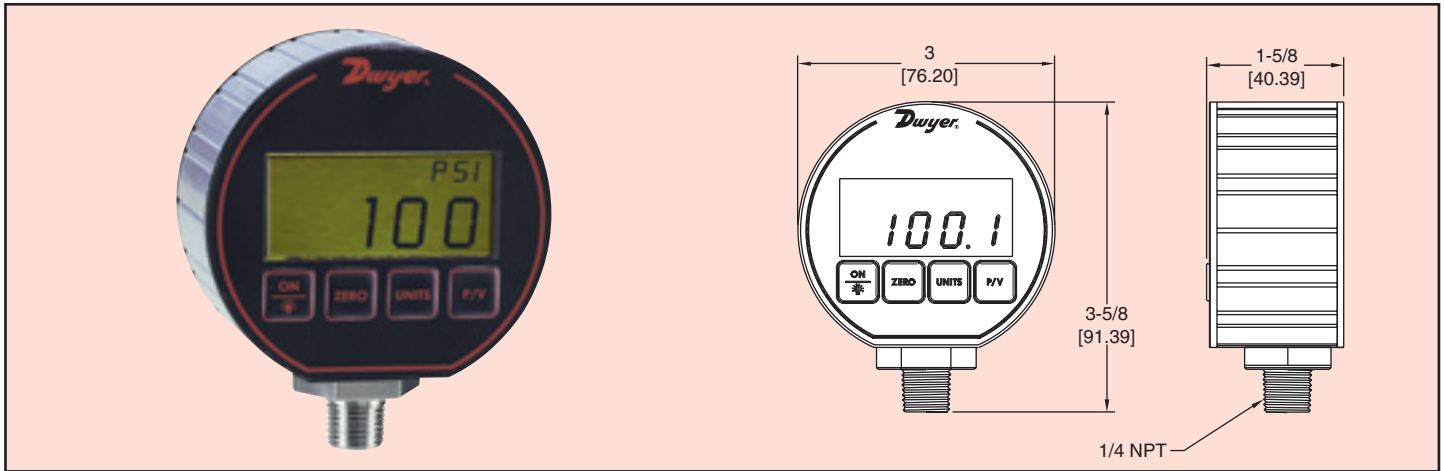
Series
DPG-100

Digital Pressure Gage

± 0.25% Full Scale Accuracy, NEMA 4X Housing



Pressure



Replace your outdated analog gages with the new **Series DPG-100 Digital Pressure Gage**. The Series DPG-100 has a high $\pm 0.25\%$ 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.

Series DPG-100 is battery powered and has an auto-shut off to conserve battery life. Battery life, on average, will last 2000 hours. A 4 button key pad allows easy access to features without the need to work through complex menus or difficult key combinations. These features include backlight, peak and valley, tare or auto zero and conversion of the pressure units.

APPLICATIONS

- Lab and Research
- Compressors
- Irrigation Equipment
- Analog Gage Calibration
- Gas Mixing for Scuba Diving

SPECIFICATIONS

Service: Compatible liquids and gases (for FM listing see Agency Approvals below).

Wetted Materials: Type 316L SS.

Housing Materials: Black Polycarbonate front & back cover, anodized aluminum extruded housing with recessed grooves, Polycarbonate Overlay, Buna-N O-rings, 316L SS Sensor Construction.

Accuracy: 0.25% F.S. +/- 1 least significant digit @ 70°F (21°C) (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.

Enclosure Rating: Designed to meet NEMA 4/4X (IP66).

Temperature Limits: 0 to 130°F (-18 to 55°C).

Thermal Effect: Between 70 to 130°F is 0.016%/F. Between 32 to 70°F is 0.026%/F. Between 10 to 32°F is 0.09%/F.

Size: 3.00" OD x 1.90 Deep (max).

Process Connection: 1/4" male NPT.

Weight: 8.84 oz (275 g).

Display: 4 digit (.425 H x .234 W digits).

Power Requirements: Two AAA batteries.

Battery Life: 2000 hours typical; Low battery indicator.

Auto Shut-Off:

Gage: 60 minute auto shut off. Auto shut-off may be disengaged.

Backlight: 2 minute auto shut-off.

Agency Approvals: CE, FM approved to be intrinsically safe for Class I, Division I, Groups A, B, C and D, for positive pressure ranges up to 3000 psi.

STOCKED MODELS

Model Number	Range psi	Pressure Ranges									
		kg/cm ²	bar	in Hg	ft wc	kPa	oz/in ²	in wc	mbar	cm wc	mm Hg
DPG-100*	-14.7-0	-1.033	-1.013	-29.93	-33.94	-101.4	-235.2	-407.3	-1013	-1034	-760.7
DPG-102	15	1.055	1.034	30.54	34.61	103.4	240	415.2	1034	1055	775.7
DPG-103	30	2.109	2.069	61.08	69.21	206.9	480	830.4	2069	2109	1551
DPG-104	50	3.515	3.448	101.8	115.4	344.8	800	1384	3448	3515	2586
DPG-105	100	7.03	6.895	203.6	230.7	689.5	1600	2768	6895	7031	5172
DPG-106	200	14.06	13.79	407.2	461.4	1379	3200	5536			
DPG-107	300	21.09	20.69	610.8	692.1	2069	4800	8304			
DPG-108	500	35.15	34.48	1018	1154	3448	8000				
DPG-109	1000	70.3	68.98	2036	2307	6895					
DPG-110	3000	210.9	206.9	6108	6921						
DPG-111*	5000	351.5	344.8								

Compound Range available: DPG-120* Range: 30" Hg-0-15 psi

* Models DPG-100, DPG-111 and DPG-120 are not FM approved.