

# DIGITAL PRESSURE GAGES

±0.25% or ±0.5% Full-Scale Accuracy, NEMA 4X (IP66) Aluminum Housing

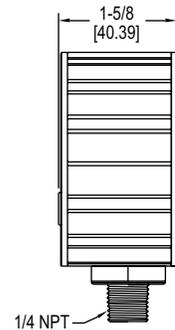
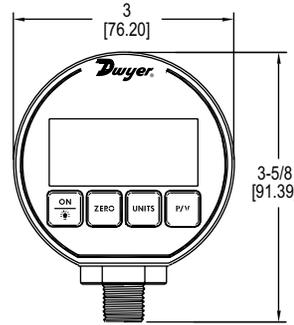
CALIBRATION SERVICES AVAILABLE



DPG-000



DPG-100



The Series DPG Digital Pressure Gages have a high ±0.25% or ±0.5% 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 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.

### BENEFITS/FEATURES

- High accuracy provides exceptional measurement minimizing costly out of specification conditions
- Backlit 4-digit display provides clear parallax-free reading reducing potential for errors
- Battery-powered gage with auto-shutoff eliminates wiring and prolongs battery life reducing service calls
- Push-button zero reduce installation and service time

### APPLICATIONS

- Process applications
- Replacement for legacy analog gages
- OEM applications

### SPECIFICATIONS

**Service:** Compatible liquids and combustible gases (for FM listing see Compliance below).

**Wetted Materials:** Type 316L SS.

**Housing Materials:** Polycarbonate front and back cover, anodized aluminum extruded housing with recessed grooves, polycarbonate overlay, Buna-N O-rings, 316L SS sensor construction.

**Accuracy:** DPG-000: ±0.5% FS; DPG-100: 0.25% FS; ±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.

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

**Power Requirements:** (2) AAA alkaline batteries, included, user replaceable.

**Battery Life:** 2000 hours typical; Low battery indicator (60 hours in continuous use).

**Auto Shut-Off:** Gage: 60 minute auto shut off. Auto shut-off may be disengaged; Backlight: 2 minute auto shut-off.

**Weight:** 8.84 oz (275 g).

**Compliance:** DPG-000: CE; DPG-100: CE, FM approved to be intrinsically safe for class I, division I, groups A, B, C and D, for ranges 0-15 to 0-3000 psi.

### MODEL CHART

Model ±0.5%	Model ±0.25%	Range psi	Pressure Ranges									
			kg/cm <sup>2</sup>	bar	in Hg	ft w.c.	kPa	oz/in <sup>2</sup>	in w.c.	mbar	cm w.c.	mm Hg
DPG-000*	-	-14.70 to 0	-1.033	-1.013	-29.93	-33.94	-101.4	-235.2	-407.3	-1013	-1034	-760.7
DPG-002*	DPG-102	15.00	1.055	1.034	30.54	34.61	103.4	240	415.2	1034	1055	775.7
DPG-003*	DPG-103	30.00	2.109	2.069	61.08	69.21	206.9	480	830.4	2069	2109	1551
DPG-004*	DPG-104	50.00	3.515	3.448	101.8	115.4	344.8	800	1384	3448	3515	2586
DPG-005*	DPG-105	100.0	7.03	6.895	203.6	230.7	689.5	1600	2768	6895	7031	5172
DPG-006*	DPG-106	200.0	14.06	13.79	407.2	461.4	1379	3200	5536	-	-	-
DPG-007*	DPG-107	300.0	21.09	20.69	610.8	692.1	2069	4800	8304	-	-	-
DPG-008*	DPG-108	500.0	35.15	34.48	1018	1154	3448	8000	-	-	-	-
DPG-009*	DPG-109	1000	70.3	68.98	2036	2307	6895	-	-	-	-	-
DPG-010*	DPG-110	3000	210.9	206.9	6108	6921	-	-	-	-	-	-
DPG-011*	DPG-111*	5000	351.5	344.8	-	-	-	-	-	-	-	-
DPG-020*	-	-14.70	-1.033	-1.013	-29.93	-33.94	-101.4	-235.2	-407.3	-1013	-1034	-760.7
		to 15.00	to 1.055	to 1.034	to 30.54	to 34.61	to 103.4	to 240	to 415.2	to 1034	to 1055	to 775.7
DPG-021*	-	-14.70	-1.033	-1.013	-29.93	-33.94	-101.4	-235.2	-407.3	-1013	-1034	-760.7
		to 30.00	to 2.109	to 2.069	to 61.08	to 69.21	to 206.9	to 480	to 830.4	to 2069	to 2109	to 1551
DPG-022*	-	-14.70	-1.033	-1.013	-29.93	-33.94	-101.4	-235.2	-407.3	-1013	-1034	-760.7
		to 45.00	to 3.164	to 3.103	to 91.63	to 103.8	to 310.3	to 720	to 1245	to 3102	to 3164	to 2327
DPG-023*	-	-14.70	-1.033	-1.013	-29.93	-33.94	-101.4	-235.2	-407.3	-1013	-1034	-760.7
		to 60.00	to 4.218	to 4.137	to 122.2	to 138.4	to 413.7	to 960	to 1661	to 4137	to 4218	to 3103
DPG-024*	-	-14.70	-1.033	-1.013	-29.93	-33.94	-101.4	-235.2	-407.3	-1013	-1034	-760.7
		to 100.0	to 7.03	to 6.895	to 203.6	to 230.7	to 689.5	to 1600	to 2768	to 6895	to 7031	to 5172

\*Model is not FM approved.

### OPTIONS

To order add suffix:	Description
-NIST	NIST traceable calibration certificate
Example: DPG-002-NIST	

### ACCESSORIES

Model	Description
A-183	Protective rubber boot
A-184	Carrying case



DPG-100 with protective rubber boot



Protective carrying case