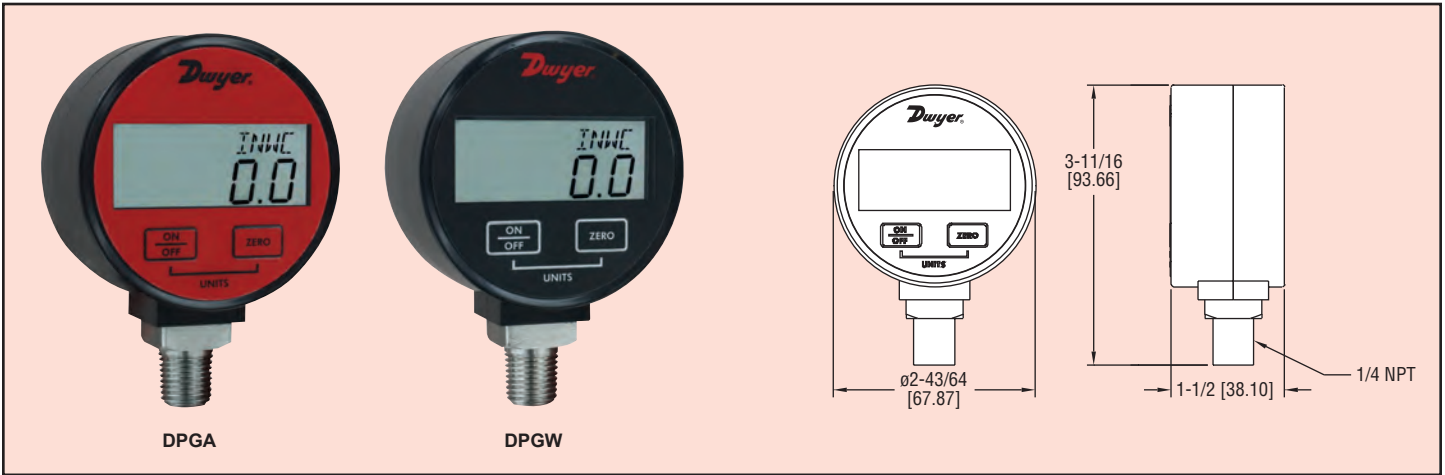




Series  
DPGA  
&  
DPGW

# 1% Digital Pressure Gage

Economic Gage With Selectable Engineering Units



The Series DPGA is the only economic digital pressure gage with selectable engineering units on the market. With its 1% accuracy and digital push-button zero, the DPGA is the perfect choice for digitally monitoring the pressures of air and compatible gases.

The Series DPGW is the only economic digital pressure gage for liquids with the ability to select engineering units on the market. With its 1% accuracy and digital push-button zero, the DPGW is the perfect choice for digitally monitoring the pressures of compatible liquids and gases.

**ACCESSORY**

A-293, Protective Rubber Boot

**OPTION**

For NIST traceable calibration certificate, add suffix -NIST to model numbers.  
Example: DPGA-04-NIST.

**SPECIFICATIONS**

**Service:** DPGA: Air and compatible gases; DPGW: Liquids and compatible gases.

**Wetted Materials:** DPGA: 316L SS, silicone sensor; DPGW: 316L SS.

**Housing Materials:** ABS plastic.

**Accuracy:** ±1.0% FS (includes linearity, hysteresis, repeatability).

**Pressure Limits:** 2X pressure range. Vacuum range max. pressure is 30 psig.

**Temperature Limits:** 30 to 120°F (-1 to 49°C).

**Thermal Effect:** 0.05% FS/°F.

**Size:** 2.62" OD x 1.52" deep.

**Process Connections:** 1/4" male NPT.

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

**Power Requirements:** 9 V alkaline battery, included, user replaceable.

**Auto Shut-off:** 20 minute auto shut-off.

**Weight:** 5.6 oz (160 g).

| Model   | Range             | Pressure Ranges |                    |        |        |         |        |                    |         |       |         |       | Resolution<br>psi |
|---------|-------------------|-----------------|--------------------|--------|--------|---------|--------|--------------------|---------|-------|---------|-------|-------------------|
|         |                   | psig            | 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 |                   |
| DPGA-00 | 30" Hg to 0 (psi) | -14.70          | -1.033             | -1.013 | -29.93 | -33.94  | -101.4 | -235.2             | -407.3  | -1013 | -1034   | -761  | 0.01              |
| DPGA-04 | 0 to 5 psi        | 5.000           | .3515              | .3447  | 10.18  | 11.53   | 34.47  | 80.0               | 138.4   | 344.7 | 351.5   | 258.6 | 0.002             |
| DPGA-05 | 0 to 15 psi       | 15.00           | 1.055              | 1.034  | 30.54  | 34.60   | 103.4  | 240.0              | 415.2   | 1034  | 1055    | 776   | 0.01              |
| DPGA-06 | 0 to 30 psi       | 30.00           | 2.109              | 2.068  | 61.1   | 69.2    | 206.8  | 480.0              | 830     | 2068  | 2109    | 1551  | 0.01              |
| DPGA-07 | 0 to 50 psi       | 50.00           | 3.515              | 3.447  | 101.8  | 115.3   | 344.7  | 800                | 1384    | 3447  | 3515    | 2586  | 0.02              |
| DPGA-08 | 0 to 100 psi      | 100.0           | 7.03               | 6.89   | 203.6  | 230.7   | 689    | 1600               | 2768    |       |         |       | 0.1               |
| DPGA-09 | 0 to 200 psi      | 200.0           | 14.06              | 13.79  | 407.2  | 461.3   | 1379   | 3200               |         |       |         |       | 0.1               |
| DPGA-10 | 0 to 300 psi      | 300.0           | 21.09              | 20.68  | 611    | 692     | 2068   | 4800               |         |       |         |       | 0.1               |
| DPGA-11 | 0 to 500 psi      | 500.0           | 35.15              | 34.47  | 1018   | 1153    | 3447   |                    |         |       |         |       | 0.2               |

| Model   | Range             | Pressure Ranges |                    |        |        |         |        |                    |         |       |         |       | Resolution<br>psi |
|---------|-------------------|-----------------|--------------------|--------|--------|---------|--------|--------------------|---------|-------|---------|-------|-------------------|
|         |                   | psig            | 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 |                   |
| DPGW-00 | 30" Hg to 0 (psi) | -14.70          | -1.033             | -1.013 | -29.93 | -33.94  | -101.4 | -235.2             | -407.3  | -1013 | -1034   | -761  | 0.01              |
| DPGW-04 | 0 to 5 psi        | 5.000           | .3515              | .3447  | 10.18  | 11.53   | 34.47  | 80.0               | 138.4   | 344.7 | 351.5   | 258.6 | 0.002             |
| DPGW-05 | 0 to 15 psi       | 15.00           | 1.055              | 1.034  | 30.54  | 34.60   | 103.4  | 240.0              | 415.2   | 1034  | 1055    | 776   | 0.01              |
| DPGW-06 | 0 to 30 psi       | 30.00           | 2.109              | 2.068  | 61.1   | 69.2    | 206.8  | 480.0              | 830     | 2068  | 2109    | 1551  | 0.01              |
| DPGW-07 | 0 to 50 psi       | 50.00           | 3.515              | 3.447  | 101.8  | 115.3   | 344.7  | 800                | 1384    | 3447  | 3515    | 2586  | 0.02              |
| DPGW-08 | 0 to 100 psi      | 100.0           | 7.03               | 6.89   | 203.6  | 230.7   | 689    | 1600               | 2768    |       |         |       | 0.1               |
| DPGW-09 | 0 to 200 psi      | 200.0           | 14.06              | 13.79  | 407.2  | 461.3   | 1379   | 3200               |         |       |         |       | 0.1               |
| DPGW-10 | 0 to 300 psi      | 300.0           | 21.09              | 20.68  | 611    | 692     | 2068   | 4800               |         |       |         |       | 0.1               |
| DPGW-11 | 0 to 500 psi      | 500.0           | 35.15              | 34.47  | 1018   | 1153    | 3447   |                    |         |       |         |       | 0.2               |

Compound range available: DPGW-12: 30" Hg-0-100 psi.



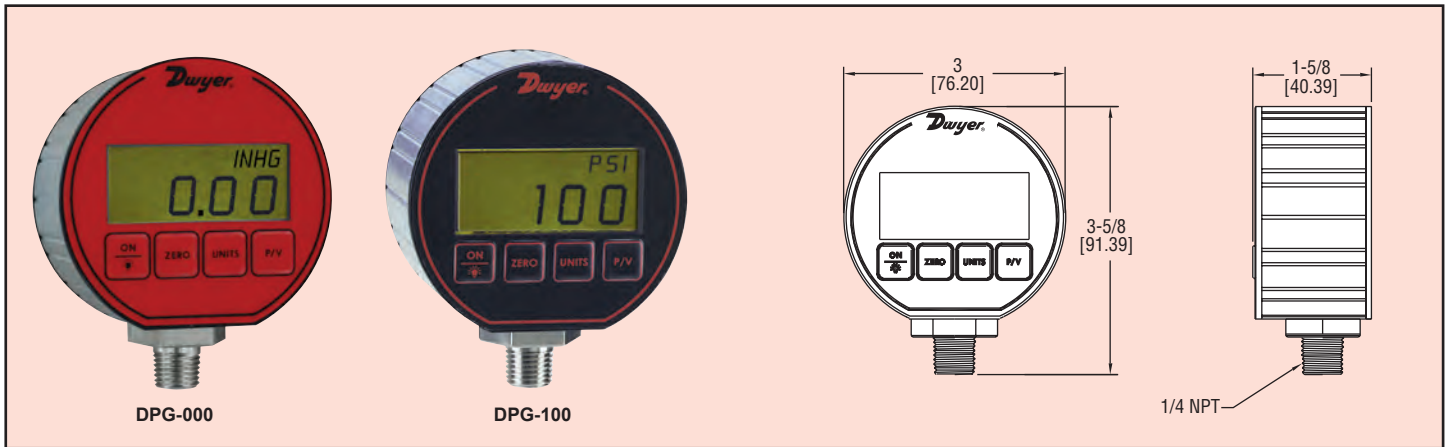
Series  
DPG

# Digital Pressure Gage

±0.25% or ±0.5% F.S. Accuracy, NEMA 4X (IP66) Aluminum Housing



Single Pressure Gages,  
Digital



Replace your outdated analog gages with the new **Series DPG Digital Pressure Gage**. The Series DPG has a high  $\pm 0.25\%$  or  $\pm 0.5\%$  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.

### ACCESSORIES

- A-183, Protective Rubber Boot
- A-184, Carrying Case



Protective Carrying Case



DPG-100 with Protective Rubber Boot

### SPECIFICATIONS

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

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

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

**Accuracy:** DPG-000:  $\pm 0.5\%$  full-scale; DPG-100: 0.25% full-scale;  $\pm 1$  least significant digit @ 70°F (21°C) (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.

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

**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:** 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.

|                      |                       | Pressure Ranges |                    |                 |                 |                 |                 |                    |                 |               |               |                 |
|----------------------|-----------------------|-----------------|--------------------|-----------------|-----------------|-----------------|-----------------|--------------------|-----------------|---------------|---------------|-----------------|
| Model<br>$\pm 0.5\%$ | Model<br>$\pm 0.25\%$ | Range psi       | kg/cm <sup>2</sup> | bar             | in Hg           | ft wc           | kPa             | oz/in <sup>2</sup> | in w.c.         | mbar          | cm wc         | 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               | 100.00          | 7.03               | 6.895           | 203.6           | 230.7           | 689.5           | 1600               | 2768            | 6895          | 7031          | 5172            |
| DPG-006*             | DPG-106               | 200.00          | 14.06              | 13.79           | 407.2           | 461.4           | 1379            | 3200               | 5536            |               |               |                 |
| DPG-007*             | DPG-107               | 300.00          | 21.09              | 20.69           | 610.8           | 692.1           | 2069            | 4800               | 8304            |               |               |                 |
| DPG-008*             | DPG-108               | 500.00          | 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 to 15.00 | -1.033 to 1.055    | -1.013 to 1.034 | -29.93 to 30.54 | -33.94 to 34.61 | -101.4 to 103.4 | -235.2 to 240      | -407.3 to 415.2 | -1013 to 1034 | -1034 to 1055 | -760.7 to 775.7 |
| DPG-021*             |                       | -14.70 to 30.00 | -1.033 to 2.109    | -1.013 to 2.069 | -29.93 to 61.08 | -33.94 to 69.21 | -101.4 to 206.9 | -235.2 to 480      | -407.3 to 830.4 | -1013 to 2069 | -1034 to 2109 | -760.7 to 1551  |
| DPG-022*             |                       | -14.70 to 45.00 | -1.033 to 3.164    | -1.013 to 3.103 | -29.93 to 91.63 | -33.94 to 103.8 | -101.4 to 310.3 | -235.2 to 720      | -407.3 to 1245  | -1013 to 3102 | -1034 to 3164 | -760.7 to 2327  |
| DPG-023*             |                       | -14.70 to 60.00 | -1.033 to 4.218    | -1.013 to 4.137 | -29.93 to 122.2 | -33.94 to 138.4 | -101.4 to 413.7 | -235.2 to 960      | -407.3 to 1661  | -1013 to 4137 | -1034 to 4218 | -760.7 to 3103  |
| DPG-024*             |                       | -14.70 to 100.0 | -1.033 to 7.03     | -1.013 to 6.895 | -29.93 to 203.6 | -33.94 to 230.7 | -101.4 to 689.5 | -235.2 to 1600     | -407.3 to 2768  | -1013 to 6895 | -1034 to 7031 | -760.7 to 5172  |

\*Model is not FM approved.

### OPTION

For NIST traceable calibration certificate, add suffix -NIST to model numbers.

Example: DPG-002-NIST.