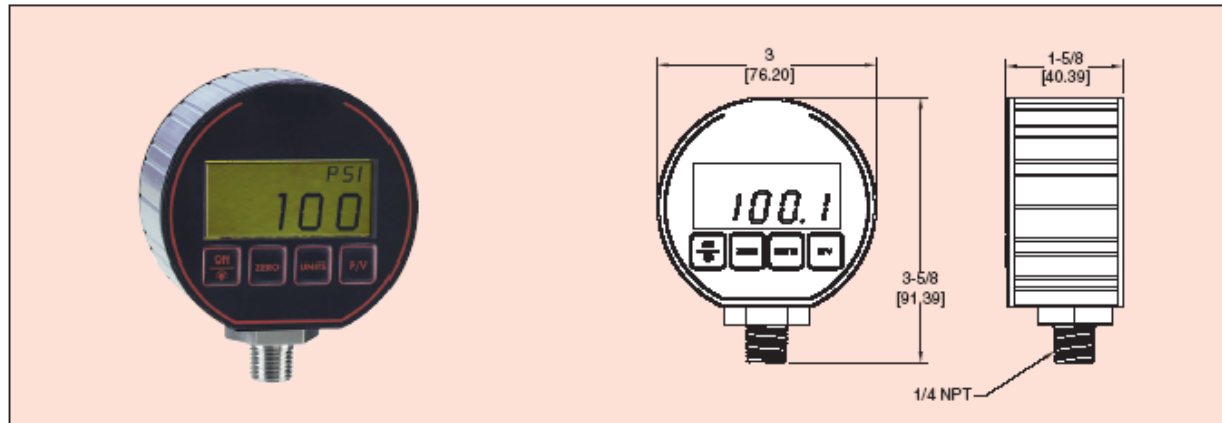


## BGI

### Series DPG-100 Digital Pressure Gage

#### Specifications - Installation and Operating Instructions



#### SPECIFICATIONS

**Service:** Liquids and combustible compatible gases (for FM listings 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 32 to 130°F (0 to 55°C). (Includes linearity, hysteresis, repeatability) ±2% F.S. @ 10°F. ±5% F.S. @ 0°F.

**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 (IP65).

**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. Between 0 to 10°F is 0.50%/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:** 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.

CE EMC Directive:

EN 61000-4-2

EN 61000-4-3 & ENV50204

EN 61000-6-2

EN 61000-6-4

EN 55011.

**The Series DPG-100 Digital Pressure Gage** has a precise +/- 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-100 is packaged in a durable extruded aluminum case designed to meet NEMA 4/4X. The unit is battery powered and has an auto-shut off to conserve battery life. A four 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, auto zero and conversion of the pressure units. Readings may be converted to various engineering units. See reverse page for available units.

#### FEATURES

For complete instructions on the four button operation see the flow chart provided on back.

**On/Backlight:** Push to turn on; Press again for backlight. Press and hold for 5 seconds to turn unit off.

**Zero:** Zeros the display - Push & hold for 2 seconds to zero the display. If after pressing zero the display does not re-zero, the unit is no longer meeting specified accuracy and should be sent back to the factory for calibration. Do not use the zero button when pressure is applied.

**Units:** Scroll (see reverse).

**P/V:** Peak recorded reading retrieved by initial push of button; push again retrieves the valley or lowest value recorded.

Model	Range (psi)	FM Approved
BGI-195488-00	0-5	Yes
BGI-195488-10	0-15	Yes
BGI-195488-11	0-30	Yes
BGI-195488-12	0-50	Yes
BGI-195488-13	0-100	Yes
BGI-195488-14	0-200	Yes
BGI-195488-15	0-300	Yes
BGI-195488-16	0-500	Yes
BGI-195488-17	0-1000	Yes
BGI-195488-18	0-3000	Yes
BGI-195488-19-NFM	0-5000	No