DO NOT mix batteries from different manufacturers. Batteries must be changed in a non-hazardous location only. Substitution of components may impair intrinsic safety.

WARNING:

Battery Replacement: Remove the three screws on backplate. Lift backplate off by hand. Replace batteries per polarity indicators. To reassemble, ensure O-Ring seats into housing evenly and press until seated completely. Replace screws.

WARNING: Substitution of components may impair intrinsic safety. Batteries must be changed in a non-hazardous location only. DO NOT mix batteries from different manufacturers. DO NOT mix old batteries with new batteries.

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.

DPG Quick Start Button Operation

For complete detailed instructions on the four button operation see the Operation 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 next page for Model/Range Chart).

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

INSTALLATION

When installing gage always use 1˝ hex at the base of the housing to tighten the gage to a mating fitting. Do not apply wrench to housing.

MAINTENANCE

A “LOW BAT” descriptor indication will appear on the display when batteries need to be replaced.

Battery Replacement: Remove the three screws on backplate. Lift backplate off by hand. Replace batteries per polarity indicators. To reassemble, ensure O-Ring seats into housing evenly and press until seated completely. Replace screws.

WARNING: Substitution of components may impair intrinsic safety. Batteries must be changed in a non-hazardous location only. DO NOT mix batteries from different manufacturers. DO NOT mix old batteries with new batteries.
Low Battery Indication

Auto Shut-Off Indicator

Pressure Reading

**DPG-100 DISPLAY**

Button  Operation  Action

**ON**  Turn Unit On  Press and hold ON button

Turn Backlight On (Auto Shut-Off: 2 Min)  While gage is on press ON button

Turn Backlight Off  While backlight is on press ON button

Turn Unit Off  While gage is on, press and hold ON button 5 seconds for unit to turn off.

**ZERO**  Zero Gage  With no pressure applied to the gage, press and hold ZERO button until display flashes.

If gage will not zero, then gage is no longer meeting specified accuracy and should be sent back to the factory for recalibration.

**UNIT**  Unit Selection  Press UNIT button to change units on gage (Not all units are available for each range, please refer to model/range chart located below for available units)

**P/V**  View Peak  Press P/V button to read peak (highest pressure) measurement

View Valley  Press P/V button again to read valley (lowest pressure) measurement

Reset Peak & Valley  Press and hold P/V button to reset peak and valley

Exit Peak & Valley  Press ON button to exit peak/valley

**ON** plus **P/V**  Disengage Auto Shut-Off  Auto shut-off will turn off an idle gage after 60 minutes. To disengage auto shut-off, press and hold ON button, then press and hold P/V button. A decimal will blink in the lower left hand corner of the display to indicate the auto-shut off is turned off. To turn on auto shut-off, repeat above procedure until decimal point stops blinking.

**Model/Range Chart**

<table>
<thead>
<tr>
<th>Model</th>
<th>Range</th>
<th>Pressure Ranges</th>
</tr>
</thead>
<tbody>
<tr>
<td>DPG-100*</td>
<td>-14.70-0 psi</td>
<td>-101.3 bar, -39.93 in Hg, -29.93 ft wc, -33.94 kPa, -10.14 oz/in², -25.2 oz/in²</td>
</tr>
<tr>
<td>DPG-102</td>
<td>15.00 psi</td>
<td>103.4 bar, 34.61 in Hg, 30.54 ft wc, 103.4 kPa, 415.2 oz/in², 407.3 oz/in²</td>
</tr>
<tr>
<td>DPG-103</td>
<td>30.00 psi</td>
<td>206.9 bar, 61.08 in Hg, 60.58 ft wc, 206.9 kPa, 830.4 oz/in², 808.0 oz/in²</td>
</tr>
<tr>
<td>DPG-104</td>
<td>50.00 psi</td>
<td>344.8 bar, 115.4 in Hg, 109.8 ft wc, 344.8 kPa, 1384 oz/in², 1379 oz/in²</td>
</tr>
<tr>
<td>DPG-105</td>
<td>100.0 psi</td>
<td>689.5 bar, 230.7 in Hg, 220.3 ft wc, 689.5 kPa, 2768 oz/in², 2736 oz/in²</td>
</tr>
<tr>
<td>DPG-106</td>
<td>200.0 psi</td>
<td>1600 bar, 5536 oz/in², 461.4 kPa, 3200 oz/in², 3200 oz/in²</td>
</tr>
<tr>
<td>DPG-107</td>
<td>300.0 psi</td>
<td>2036 bar, 6895 oz/in², 1379 kPa, 3200 oz/in², 3200 oz/in²</td>
</tr>
<tr>
<td>DPG-108</td>
<td>500.0 psi</td>
<td>2069 bar, 7031 kPa, 1379 mbar, 3515 oz/in², 3515 oz/in²</td>
</tr>
<tr>
<td>DPG-109</td>
<td>1000 psi</td>
<td>2307 bar, 7031 kPa, 3515 mbar, 7031 oz/in², 7031 oz/in²</td>
</tr>
<tr>
<td>DPG-110</td>
<td>3000 psi</td>
<td>6108 bar, 6921 kPa, 6921 mbar, 6921 oz/in², 6921 oz/in²</td>
</tr>
<tr>
<td>DPG-111*</td>
<td>5000 psi</td>
<td>6921 bar, 6921 kPa, 6921 mbar, 6921 oz/in², 6921 oz/in²</td>
</tr>
</tbody>
</table>

**Compound Ranges available:** DPG-120* Range: 30" Hg-0-15 psi; DPG-121* Range: 30" Hg-0-30 psi; DPG-122* Range: 30" Hg-0-45 psi; DPG-123*: Range 30" Hg-0-60 psi; DPG-124*: 30" Hg-0-100 psi.

*Optional ceramic sensor available. Add "C" to the range (Ex. DPG-100C).