

# prosense® DPG1 Series Digital Pressure Gauges



ProSense DPG1 digital pressure gauges are ideal for industrial and general purpose applications requiring an accurate and reliable device with easy to read digital display.

## Features

- $\pm 0.5\%$  accuracy
- 2-button operation
- Backlight display turns on when on/off button is pressed
- Option for continuous peak pressure indication
- Continuous on display option or timeout to save battery life
- Wide variety of pressure unit selections
- Reset to zero feature
- Powered via 2 x AAA batteries (included)
- Rubber boot for added protection (included)
- 316L welded diaphragm seal
- ASME B40.100 compliant

## DPG1 Series Digital Pressure Gauges

| Part Number               | Scale          | Pcs/Pkg | Wt (lb) | Price    |
|---------------------------|----------------|---------|---------|----------|
| <a href="#">DPG1-15</a>   | 0 to 15 psig   | 1       | 0.7     | \$151.00 |
| <a href="#">DPG1-30</a>   | 0 to 30 psig   | 1       | 0.7     | \$151.00 |
| <a href="#">DPG1-60</a>   | 0 to 60 psig   | 1       | 0.7     | \$151.00 |
| <a href="#">DPG1-100</a>  | 0 to 100 psig  | 1       | 0.7     | \$151.00 |
| <a href="#">DPG1-200</a>  | 0 to 200 psig  | 1       | 0.7     | \$151.00 |
| <a href="#">DPG1-300</a>  | 0 to 300 psig  | 1       | 0.7     | \$151.00 |
| <a href="#">DPG1-600</a>  | 0 to 600 psig  | 1       | 0.7     | \$151.00 |
| <a href="#">DPG1-1000</a> | 0 to 1000 psig | 1       | 0.7     | \$151.00 |
| <a href="#">DPG1-3000</a> | 0 to 3000 psig | 1       | 0.7     | \$151.00 |
| <a href="#">DPG1-5000</a> | 0 to 5000 psig | 1       | 0.7     | \$151.00 |



Note: Check the chemical compatibility of the sensor's wetted parts with the medium to be measured.

## DPG1 Series Digital Pressure Gauges

| Part Number               | Operating Pressure | Proof Pressure | Burst Pressure |
|---------------------------|--------------------|----------------|----------------|
| <a href="#">DPG1-15</a>   | 0 to 15 psig       | 30 psig        | 45 psig        |
| <a href="#">DPG1-30</a>   | 0 to 30 psig       | 60 psig        | 90 psig        |
| <a href="#">DPG1-60</a>   | 0 to 60 psig       | 120 psig       | 180 psig       |
| <a href="#">DPG1-100</a>  | 0 to 100 psig      | 200 psig       | 300 psig       |
| <a href="#">DPG1-200</a>  | 0 to 200 psig      | 400 psig       | 600 psig       |
| <a href="#">DPG1-300</a>  | 0 to 300 psig      | 600 psig       | 900 psig       |
| <a href="#">DPG1-600</a>  | 0 to 600 psig      | 1200 psig      | 1800 psig      |
| <a href="#">DPG1-1000</a> | 0 to 1000 psig     | 2000 psig      | 3000 psig      |
| <a href="#">DPG1-3000</a> | 0 to 3000 psig     | 6000 psig      | 9000 psig      |
| <a href="#">DPG1-5000</a> | 0 to 5000 psig     | 10000 psig     | 15000 psig     |



Warning! Avoid static and dynamic overpressure exceeding the specified proof pressure. Exceeding the bursting pressure for even a short time can cause destruction of the unit and possible injuries! Not for use in vacuum applications. Negative pressure can damage gauge.

## DPG1 Series Digital Pressure Gauge Specifications

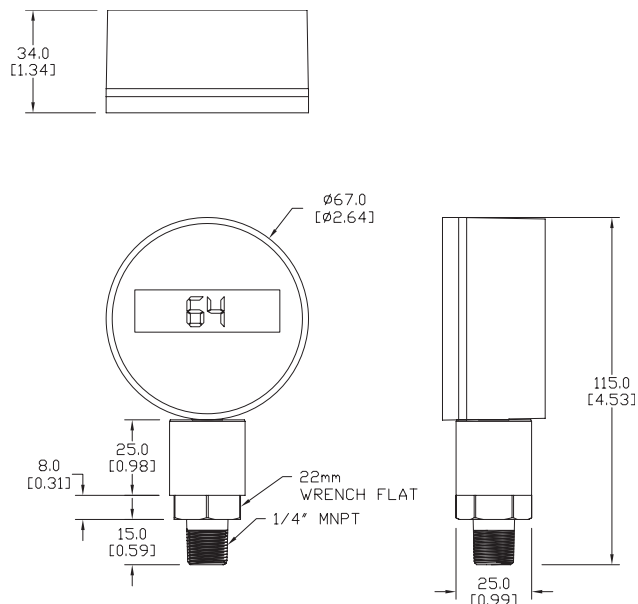
|                                    |                                                                                                                                 |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>Case Size</b>                   | 2.5" (63mm)                                                                                                                     |
| <b>Case Material</b>               | ABS (acrylonitrile butadiene styrene)                                                                                           |
| <b>Rubber Boot</b>                 | Silicone rubber                                                                                                                 |
| <b>LCD Display</b>                 | 2" x 3/4" (48mm x 16mm)                                                                                                         |
| <b>Process Connection</b>          | 1/4" NPT                                                                                                                        |
| <b>Sensor</b>                      | Piezo, welded                                                                                                                   |
| <b>Wetted Parts</b>                | 304SS, 316L                                                                                                                     |
| <b>Operating Life</b>              | 1 million cycles                                                                                                                |
| <b>Power Supply</b>                | 2 x AAA battery (1.5V) - included/installed                                                                                     |
| <b>Battery Life</b>                | 2 years (auto shut-off mode), 2 weeks if on continuously                                                                        |
| <b>Power Mode</b>                  | Auto or manual shut-off                                                                                                         |
| <b>Display Digits</b>              | 4-digits, 12.5 mm character height                                                                                              |
| <b>Pressure Unit Selection</b>     | psi, mH <sub>2</sub> O, mmHg, mbar, kPa range $\leq 100$ psig<br>psi, bar, kg/cm <sup>2</sup> , MPa, atm ranges $\geq 200$ psig |
| <b>Response Time</b>               | $\leq 3$ Hz display refresh rate                                                                                                |
| <b>Proof / Burst Pressure</b>      | 200% / 300% of full scale                                                                                                       |
| <b>Ambient/Process Temperature</b> | 14°F to 122°F (-10°C to 50°C)                                                                                                   |
| <b>Storage Temperature</b>         | -4°F to 167°F (-20°C to 75°C)                                                                                                   |
| <b>Accuracy</b>                    | $\pm 0.5\%$ of full scale                                                                                                       |
| <b>Enclosure Rating</b>            | IP60                                                                                                                            |
| <b>Approvals*</b>                  | None                                                                                                                            |

\* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page

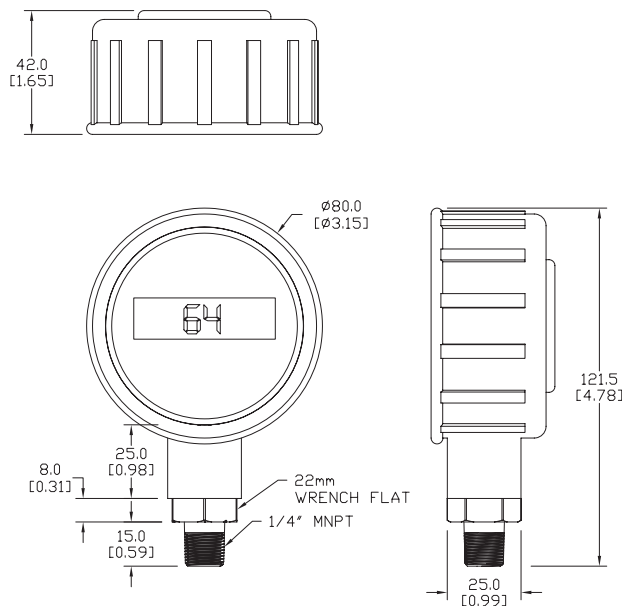
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## Dimensions

mm [inches]



DPG1 Gauges without Rubber Boot Installed



DPG1 Gauges with Rubber Boot Installed

See our website [www.AutomationDirect.com](http://www.AutomationDirect.com) for complete Engineering drawings.