

DPG 1000DR RETRANSMITTING DIGITAL PRESSURE GAGE

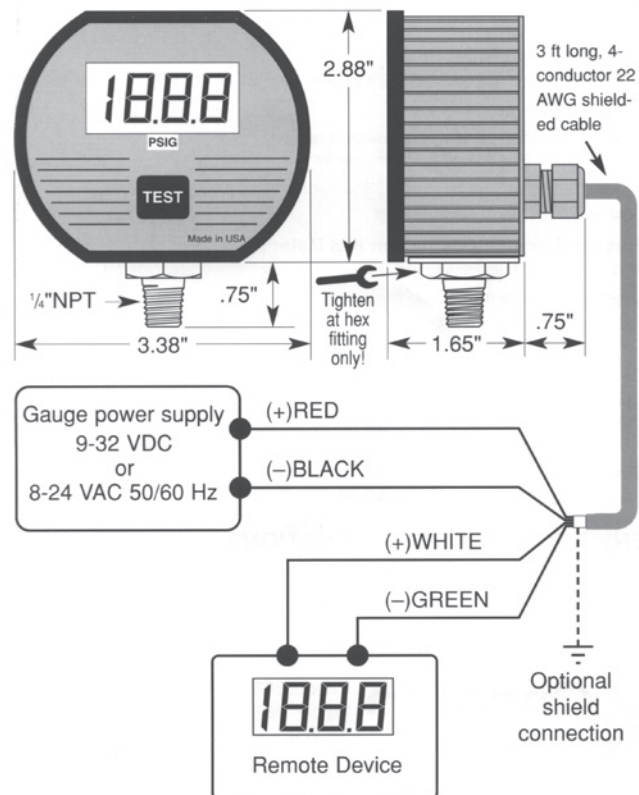
The DPG 1000 is a $\pm 0.25\%$ accuracy pressure gage with an optional $\pm 0.1\%$ accuracy. The display offers a standard 3.5 digits, .5" high, with an optional 4 digit display. The DPG 1000DR has an update rate of 3 readings per second. This gage features true analog output, 50 milliseconds typical response time. Either 2 Vdc or 4-20 mA is available. The front panel TEST button, when depressed sets display and retransmission output to "test calibration" level, independent of pressure input to allow testing of system operation. Options include 0.1% accuracy and 4 digit display.

- **$\pm 0.25\%$ ACCURACY**
- **316 SS WETTED PARTS**
- **TRUE ANALOG OUTPUT**
- **OUTPUT TEST FUNCTION**

SPECIFICATIONS

| | |
|--------------------|--|
| PRESSURE RANGES: | 3 to 5000 PSIG |
| ACCURACY: | $\pm 0.25\%$, 0.1% - Optional |
| MATERIAL: | Extruded Aluminum, 316 SS Pressure Port |
| TEMPERATURE RANGE: | 32° to 185° F - Compensated |
| POWER: | 8 to 24 Vdc, 30 MA Max, 40 MA Backlit |
| PEAK HOLD: | N/A |
| DISPLAY: | 3.5 Digit LCD - Ranges to 2000 PSI, 4 Digit LCD - Ranges Above 2000 PSI |
| SAFE OVERPRESSURE: | 5000 PSI – 3000 PSI Range 7500 PSI – 5000 PSI Range 2x Rated Pressure All Others |
| PRESSURE PORT: | 1/4 NPT Male |

NOTE: NIST Certifications available for additional cost.



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Ranges and Resolution

abs: Absolute reference (atmospheric pressure to zero at full vacuum)

vac: Vacuum gauge, minus sign not used unless specified

Resolution is fixed as indicated in table below

Contact factory for engineering units not listed

| | | | | |
|---|----------------------------|--------------------------|----------------------------|------------------------------|
| Contact factory for other engineering units | 120.0 inHg | 1600 mmHg | 35.0 bar | 1.000 kg/cm ² abs |
| | 199.9 inHg abs | 760 torr abs | 70.0 bar | 1.000 kg/cm ² vac |
| | 199.9 inHg | 1600 torr abs | 140.0 bar | ±1.000 kg/cm ² |
| 3.00 psig | 50.0 oz/in ² | 2100 mmH ₂ O | 199.9 bar | 1.000 kg/cm ² |
| 5.00 psig | 80.0 oz/in ² | 3500 mmH ₂ O | 350 bar | 1.999 kg/cm ² abs |
| 15.00 psi abs | 240 oz/in ² abs | 199.9 cmH ₂ O | 19.99 kPa | 1.999 kg/cm ² |
| 15.00 psig vac | 240 oz/in ² vac | 350 cmH ₂ O | 35.0 kPa | 4.00 kg/cm ² |
| ±15.0 psig | ±240 oz/in ² | 1000 cmH ₂ O | 100.0 kPa abs | 7.00 kg/cm ² abs |
| 15.00 psig | 240 oz/in ² | 2100 cmH ₂ O | 100.0 kPa vac | 7.00 kg/cm ² |
| 30.0 psi abs | 85.0 inH ₂ O | 199.9 mbar | ±100.0 kPa | 14.00 kg/cm ² |
| 30.0 psig | 140.0 inH ₂ O | 350 mbar | 100.0 kPa | 19.99 kg/cm ² |
| 60.0 psig | 400 inH ₂ O abs | 1000 mbar abs | 199.9 kPa abs | 35.0 kg/cm ² |
| 100.0 psi abs | 400 inH ₂ O vac | 1000 mbar vac | 199.9 kPa | 70.0 kg/cm ² |
| 100.0 psig | ±400 inH ₂ O | ±1000 mbar | 400 kPa | 140.0 kg/cm ² |
| 199.9 psig | 400 inH ₂ O | 1000 mbar | 700 kPa abs | 199.9 kg/cm ² |
| 300 psig | 850 inH ₂ O | 1999 mbar abs | 700 kPa | 350 kg/cm ² |
| 500 psig | 7.00 ftH ₂ O | 1999 mbar | 1500 kPa | 1.000 atm abs |
| 1000 psig | 12.00 ftH ₂ O | 4000 mbar | 1999 kPa | ±1.000 atm |
| 1999 psig | 35.0 ftH ₂ O | 1.000 bar abs | 3500 kPa | 1.000 atm |
| 3000 psig | 70.0 ftH ₂ O | 1.000 bar vac | 7000 kPa | 4.00 atm |
| 5000 psig | 140.0 ftH ₂ O | ±1.000 bar | 3.50 MPa | 7.00 atm |
| 6.00 inHg | 230 ftH ₂ O | 1.000 bar | 7.00 MPa | 14.00 atm |
| 10.00 inHg | 480 ftH ₂ O | 1.999 bar abs | 14.00 MPa | 19.99 atm |
| 30.0 inHg abs | 150.0 mmHg | 1.999 bar | 19.99 MPa | 35.0 atm |
| 30.0 inHg vac | 260 mmHg | 4.00 bar | 35.0 MPa | 70.0 atm |
| ±30.0 inHg | 760 mmHg abs | 7.00 bar abs | 1000 g/cm ² abs | 135.0 atm |
| 30.0 inHg | 760 mmHg vac | 7.00 bar | 1000 g/cm ² | 199.9 atm |
| 60.0 inHg abs | 760 mmHg | 14.00 bar | 2100 g/cm ² abs | 340 atm |
| 60.0 inHg | 1600 mmHg abs | 19.99 bar | 2100 g/cm ² | |