



MIN/MAX DIGITAL PRESSURE GAUGES

DPG5500B Series Starts at

\$289



- ✓ Capture Minimum and Maximum Readings
- ✓ Zero with One Touch
- ✓ 316 SS Wetted Parts
- ✓ ±0.25% Test Gauge Accuracy

The DPG5500B is powered by 2 replaceable “AA” alkaline batteries that can operate the gauge for 2000 hours. All DPG5500 models include standard 5-minute auto shut-off circuitry to conserve battery life. “□” is displayed when the batteries must be replaced. The gauge can be factory set for on/off by specifying the “-NS” option at time of order.

SPECIFICATIONS

Power: 2 “AA” alkaline batteries included, approximately 2000 hr. “□” on display when batteries must be replaced.

Auto Shut-Off: 5 min standard. Specify “-NS” option at time of order if on/off button is preferred. (No additional charge for “-NS” option.)

Pressure/Vacuum Reference: Gauge (psig) or absolute (psia)

Optional Units: Gauge is available from the factory scaled in other engineering units, for other ranges. Units include kPa, bar, mbar, inH₂O, mmHg, ftH₂O, torr, and kg/cm². Please consult the OMEGA Pressure Engineering Department for available models.

Display: 4 digit, LCD, 10.16 mm (0.4") digit height, 3 readings per second, nominal update rate

Accuracy: ±0.25% FS ±1 least significant digit; linearity, hysteresis and repeatability combined

Operating Temperature: -20 to 85°C (-4 to 185°F)

Compensated Temperature: 0 to 70°C (32 to 158°F)

Temperature Stability: ±0.5% of span (typical), ±1% of span (maximum) 0 to 82°C (32 to 180°F)

Storage Temperature: -40 to 95°C (-40 to 203°F)

Size: 86 W x 73 H x 42 mm D (3.38 x 2.88 x 1.65") not including the pressure fitting. Add 19 mm (0.75") to the height for the pressure fitting.

Weight: 255 g (9 oz); shipping weight: 454 g (1 lb)

Material: Extruded aluminum case, light gray epoxy powder coated, black ABS/polycarbonate bezel, front and rear gaskets, black/gold label

Pressure/Vacuum Connection: ¼ MNPT

Wetted Parts: 316 SS

Overpressure: 2x sensor pressure range, 3000 psig range = 5000 psi max, 5000 psig range = 7500 psig max.

At 110% to 125% out-of-range display 1---- or 1-.-.- depending on the model.

Burst Pressure: 4x sensor pressure rating or 10,000 psi, whichever is less

Calibration: Internal controls, non-interactive zero, span and linearity ±10% range



DPG5500B-60G, \$289, shown actual size.

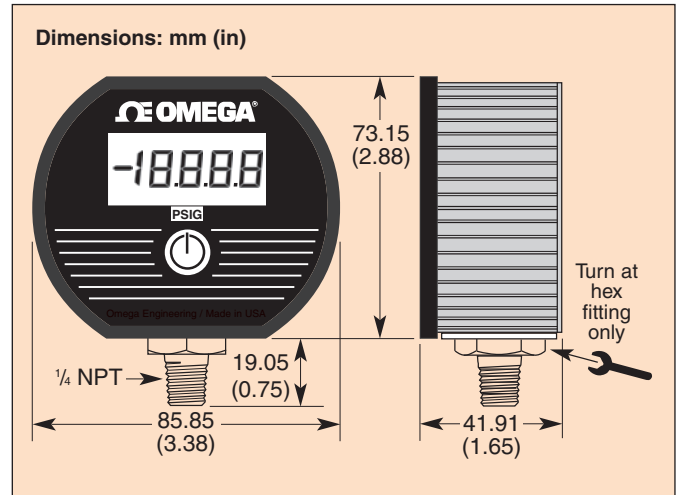
Controls and Functions

(Front pushbutton turns the gauge on or off and cycles through other functions)

| Function | Pushbutton | Prompt (Release Button) | Result |
|--------------|-------------|--------------------------|------------------|
| On | Press 1 sec | Gauge range/display test | Actual pressure |
| On with Zero | Press/hold | 0000 | Actual pressure |
| Hi Reading | Press/hold | HI | Hi & max reading |
| Lo Reading | Press/hold | LO | Lo & min reading |
| Normal Read | Press/hold | AP | Actual pressure |
| Clear Hi/Lo | Press/hold | HI/LO/AP>clr | Actual pressure |
| Off | Press/hold | HI/LO/AP>clr>OFF | Gauge off |

| Ranges and Resolutions | | | | |
|------------------------|------------------------------|--------------------------|----------------------------|------------------------------|
| -30.00 inHg/15.00 psig | 120.0 inHg | 1600 mmHg | 35.00 bar | 1.000 kg/cm ² abs |
| -30.0 inHg/100.0 psig | 200.0 inHg abs | 760.0 torr abs | 70.00 bar | 1.000 kg/cm ² vac |
| -30.0 inHg/200.0 psig | 200.0 inHg | 1600 torr abs | 140.0 bar | ±1.000 kg/cm ² |
| 3.000 psig | 50.00 oz/in ² | 2100 mmH ₂ O | 200.0 bar | 1.000 kg/cm ² |
| 5.000 psig | 80.0 oz/in ² | 3500 mmH ₂ O | 350.0 bar | 2.000 kg/cm ² abs |
| 15.00 psi abs | 240.0 oz/in ² abs | 200.0 cmH ₂ O | 20.00 kPa | 2.000 kg/cm ² |
| 15.00 psig vac | 240.0 oz/in ² vac | 350.0 cmH ₂ O | 35.00 kPa vac | 4.000 kg/cm ² |
| ±15.00 psig | ±240.0 oz/in ² | 1000 cmH ₂ O | 100.0 kPa abs | 7.000 kg/cm ² abs |
| 15.00 psig | 240.0 oz/in ² | 2100 cmH ₂ O | 100.0 kPa vac | 7.000 kg/cm ² |
| 30.00 psi abs | 85.0 inH ₂ O | 200.0 mbar | ±100.0 kPa | 14.00 kg/cm ² |
| 30.00 psig | 140.0 inH ₂ O | 350.0 mbar | 100.0 kPa | 20.00 kg/cm ² |
| 60.00 psig | 400.0 inH ₂ O | 1000 mbar abs | 200.0 kPa abs | 35.00 kg/cm ² |
| 100.0 psi abs | 400.0 inH ₂ O vac | 1000 mbar vac | 200.0 kPa | 70.00 kg/cm ² |
| 100.0 psig | ±400 inH ₂ O | ±1000 mbar | 400.0 kPa | 140.0 kg/cm ² |
| 200.0 psig | 400.0 inH ₂ O | 1000 mbar | 700.0 kPa abs | 200.0 kg/cm ² |
| 300.0 psig | 850 inH ₂ O | 2000 mbar abs | 700.0 kPa | 350.0 kg/cm ² |
| 500.0 psig | 7.000 ftH ₂ O | 2000 mbar | 1500 kPa | 1.000 atm abs |
| 1000 psig | 12.00 ftH ₂ O | 4000 mbar | 2000 kPa | ±1.000 atm |
| 2000 psig | 35.00 ftH ₂ O | 1.000 bar abs | 3500 kPa | 1.000 atm |
| 3000 psig | 70.00 ftH ₂ O | 1.000 bar vac | 5000 kPa | 4.000 atm |
| 5000 psig | 140.0 ftH ₂ O | ±1.000 bar | 3.500 MPa | 7.000 atm |
| 6.000 inHg | 230.0 ftH ₂ O | 1.000 bar | 7.000 MPa | 14.00 atm |
| 10.00 inHg | 480.0 ftH ₂ O | 2.000 bar abs | 14.00 MPa | 20.00 atm |
| 30.00 inHg abs | 150.0 mmHg | 2.000 bar | 20.00 MPa | 35.00 atm abs |
| 30.00 inHg vac | 260.0 mmHg | 4.000 bar | 35.00 MPa | 70.00 atm |
| ±30.00 inHg | 760.0 mmHg abs | 7.000 bar abs | 1000 g/cm ² abs | 135.0 atm |
| 30.00 inHg | 760.0 mmHg vac | 7.000 bar | 1000 g/cm ² | 200.0 atm |
| 60.00 inHg abs | 760.0 mmHg | 14.00 bar | 2100 g/cm ² abs | 340.0 atm |
| 60.00 inHg | 1600 mmHg | 20.00 bar | 2100 g/cm ² | |

Resolution is fixed as indicated in table. Ranges in **bold** are standard. Contact Pressure Engineering for other ranges listed above.
abs: Absolute reference (normally reads atmospheric pressure; reads zero at full vacuum).
vac: Vacuum gauge, minus sign not used unless specified.



MOST POPULAR MODELS HIGHLIGHTED!

| Range/Resolution/Units | Model No. | Price |
|--------------------------------|---------------------------|--------------|
| 0 to 3.000 psig | DPG5500B-03G | \$289 |
| 0 to 5.000 psig | DPG5500B-05G | 289 |
| 0 to 15.00 psig vac | DPG5500B-15VAC | 289 |
| 0 to 15.00 psig | DPG5500B-15G | 289 |
| 0 to 30.00 psig | DPG5500B-30G | 289 |
| 0 to 60.00 psig | DPG5500B-60G | 289 |
| 0 to 100.0 psig | DPG5500B-100G | 289 |
| 0 to 200.0 psig | DPG5500B-200G | 289 |
| 0 to 300.0 psig | DPG5500B-300G | 289 |
| 0 to 500.0 psig | DPG5500B-500G | 289 |
| 0 to 1000 psig | DPG5500B-1KG | 289 |
| 0 to 2000 psig | DPG5500B-2KG | 289 |
| 0 to 30.00 inHg vac | DPG5500B-30INHGvac | 289 |
| 0 to 15.00 psia | DPG5500B-15A | 309 |
| 0 to 30.00 psia | DPG5500B-30A | 309 |
| 0 to 760.0 torr abs | DPG5500B-760TORRA | 309 |
| 0 to 85.0 inH ₂ Og | DPG5500B-85INH2OG | 309 |
| 0 to 140.0 inH ₂ Og | DPG5500B-140INH2OG | 309 |
| 0 to 1.000 barg | DPG5500B-1BARG | 309 |
| 0 to 7.000 barg | DPG5500B-7BARG | 309 |
| 0 to 14.00 barg | DPG5500B-14BARG | 309 |

Accessories

| Model No. | Price | Description |
|---------------|------------|---|
| MN1500 | \$2 | 2-pack "AA" replacement batteries |
| OP-6 | 210 | Reference Book: Fundamentals of Temperature, Pressure, and Air Flow Measurement |

Comes complete with operator's manual and 2 "AA" alkaline batteries.

Ordering Examples: **DPG5500B-30G**, 0 to 30.00 psig gauge, 1/4 NPT lower fitting, battery powered, min/max/zero, **\$309**.

DPG5500B-500G, 0 to 500 psig gauge 1/4 NPT lower fitting, battery powered, min/max/zero, **\$289**.

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