

# MIN/MAX DIGITAL PRESSURE GAUGES

## With NEMA 4X Case



PRESSURE GAUGES G

### DPG3500 Series

DPG3500B-03G  
\$319



- ✓ Capture Minimum and Maximum Readings
- ✓ Zero with One-Touch
- ✓ 316 Stainless Steel Wetted Parts
- ✓ ±0.25% Test Gauge Accuracy
- ✓ NEMA 4X Case

The DPG3500B is a powered by 2 replaceable "AA" alkaline batteries that can operate the gauge for 2000 hours. All DPG3500 models include the 5 minute auto-shutoff circuitry standard to conserve battery life. "□" will be 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.



DPG3500B-60G, \$319, shown actual size

### SPECIFICATIONS

**Power:** 2 "AA" alkaline (included), approximately 2000 hours ("□" on display when batteries must be replaced)  
**Auto Shutoff:** 5 minutes 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 such as Kpa, Bar, mBar, inH<sub>2</sub>O, mmHg, ftH<sub>2</sub>O, torr, kg/cm<sup>2</sup> etc. 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:** 89 W x 76 H x 51 mm D (3.5 x 3.0 x 2.0") Not including the pressure fitting. Add approximately 19 mm (0.75") to the Height for the pressure fitting

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

**Material:** ABS/polycarbonate NEMA 4X (IP66) case, rear gasket, polycarbonate label

**Pressure/Vacuum Connection:** ¼" NPT male

### Media Compatibility:

316SS wetted parts

**Over Pressure:** 2x sensor pressure range, 3000 psig range = 5000 psi max, 5000 psig range = 7500 psig max.

@ 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

### CONTROLS & FUNCTIONS

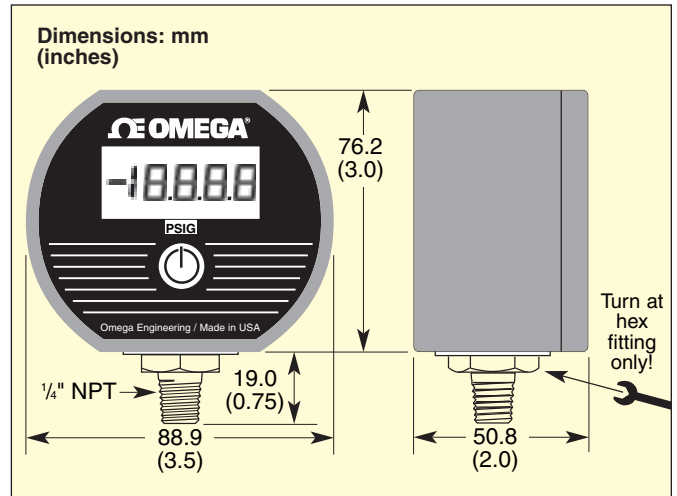
(Front pushbutton turns the gauge on or off and cycles through other functions)

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

Resolution is fixed as indicated in table. Ranges in Bold are standard. Contact Omega 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 NUMBER	PRICE
0 to 3.000 psig	DPG3500B-03G	\$319
0 to 5.000 psig	DPG3500B-05G	319
0 to 15.00 psig vac	DPG3500B-15VAC	319
0 to 15.00 psig	DPG3500B-15G	319
0 to 30.00 psig	DPG3500B-30G	319
0 to 60.00 psig	DPG3500B-60G	319
0 to 100.0 psig	DPG3500B-100G	319
0 to 200.0 psig	DPG3500B-200G	319
0 to 300.0 psig	DPG3500B-300G	319
0 to 500.0 psig	DPG3500B-500G	319
0 to 1000 psig	DPG3500B-1KG	319
0 to 2000 psig	DPG3500B-2KG	319
0 to 30.00 inHg vac	DPG3500B-30INHGVAC	319
0 to 15.00 psia	DPG3500B-15A	339
0 to 30.00 psia	DPG3500B-30A	339
0 to 760.0 torr abs	DPG3500B-760TORRA	339
0 to 85.0 inH <sub>2</sub> Og	DPG3500B-85INH2OG	339
0 to 140.0 inH <sub>2</sub> Og	DPG3500B-140INH2OG	339
0 to 1.000 barg	DPG3500B-1BARG	339
0 to 7.000 barg	DPG3500B-7BARG	339
0 to 14.00 barg	DPG3500B-14BARG	339

Comes with complete owner's manual.  
**Ordering Example:** DPG3500B-30A is a 0 to 30.00 psia absolute, 1/4" NPT lower fitting, battery powered, Min/Max/Zero, NEMA 4X (IP66) Housing, \$339.

**ACCESSORY**

MODEL NO.	PRICE	DESCRIPTION
ME-0341	\$135	Reference Book: Pump Handbook

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