

# MIN/MAX DIGITAL PRESSURE GAUGES

**DPG5500 Series-Aluminum Case**  
**DPG5600 Series-Backlit**  
**DPG3500 Series-Nema 4X Case**



- ✓ Capture Minimum and Maximum Readings
- ✓ Zero with One Touch
- ✓ 316 SS Wetted Parts
- ✓ ±0.25% Test Gauge Accuracy
- ✓ Optional Backlit Display or NEMA 4X (IP66) Enclosure Available

The DPG5500 and DPG3500 gauges are compact units with a full 4-digit display. Available with over 140 possible pressure units, these gauges are powered by 2 "AA" alkaline batteries. All models include a standard 5-minute auto shut-off circuitry to conserve battery life. Units are available in three configurations, with an extruded aluminum or NEMA 4X ABS/ polycarbonate case. Aluminum case models are also available with a backlit display

## SPECIFICATIONS

**Power:** 2 "AA" alkaline included, approximately 2000 hr (150 to 1500 hr for DPG5600 models; low battery indicator)

**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, inH<sub>2</sub>O, mmHg, ftH<sub>2</sub>O, torr, and kg/cm<sup>2</sup>. 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)

**Pressure/Vacuum Fitting:** 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

DPG3500B-60G, shown actual size.

DPG5500B-60G, shown actual size.



NEMA 4X Case



Aluminum Case

## Dimensions:

**DPG5500/5600:** 86 W x 73 H x 42 mm D (3.38 x 2.88 x 1.65") not including the pressure fitting.

**DPG3500:** 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:

**DPG5500/5600:** Extruded aluminum case, light gray epoxy powder coated, black ABS/polycarbonate bezel, front and rear gaskets, black/gold label

**DPG3500:** ABS/polycarbonate NEMA 4X (IP66) case, rear gasket, polycarbonate label

# MIN/MAX DIGITAL PRESSURE GAUGES

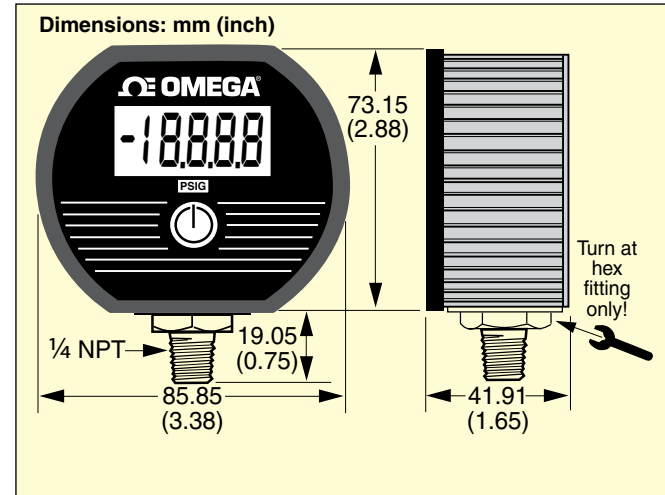


DPG5000 Dimensions

DPG5600B-60G, shown smaller than actual size.

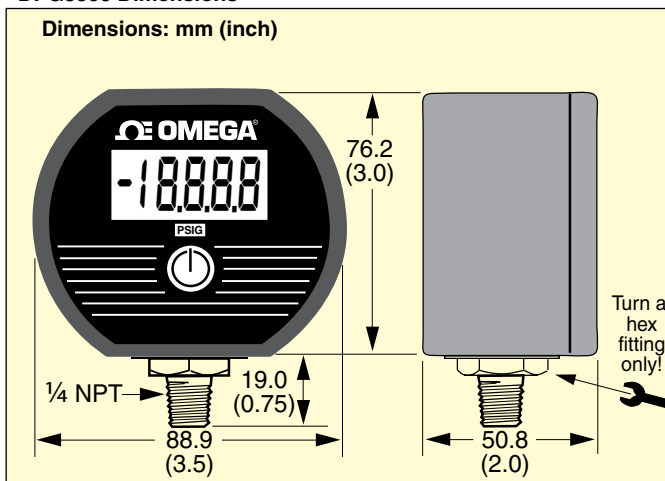
**ALL RANGES AND RESOLUTIONS SHOWN AVAILABLE!**

-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	3.500 MPa	7.000 atm
6.000 inHg	230.0 ftH <sub>2</sub> O	1.000 bar	7.000 MPa	14.00 atm
10.00 inHg	480.0 ftH <sub>2</sub> 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
<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>	



DPG3500 Dimensions

DPG3500B-60G, shown smaller than actual size.



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.

# MIN/MAX DIGITAL PRESSURE GAUGES

DPG5500B-60G,  
shown smaller than  
actual size.



Aluminum Case

DPG3500B-60G,  
shown smaller than  
actual size.



NEMA 4X Case

## 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

## To Order

RANGE/ RESOLUTION/ MODELS	MODEL NO. BASIC MODELS	MODEL NO. BACKLIT MODELS	MODEL NO. NEMA 4X (IP66)
0 to 3.000 psig	DPG5500B-03G	DPG5600B-03G	DPG3500B-03G
0 to 5.000 psig	DPG5500B-05G	DPG5600B-05G	DPG3500B-05G
0 to 15.00 psig Vac	DPG5500B-15VAC	DPG5600B-15VAC	DPG3500B-15VAC
0 to 15.00 psig	DPG5500B-15G	DPG5600B-15G	DPG3500B-15G
0 to 30.00 psig	DPG5500B-30G	DPG5600B-30G	DPG3500B-30G
0 to 60.00 psig	DPG5500B-60G	DPG5600B-60G	DPG3500B-60G
0 to 100.0 psig	DPG5500B-100G	DPG5600B-100G	DPG3500B-100G
0 to 200.0 psig	DPG5500B-200G	DPG5600B-200G	DPG3500B-200G
0 to 300.0 psig	DPG5500B-300G	DPG5600B-300G	DPG3500B-300G
0 to 500.0 psig	DPG5500B-500G	DPG5600B-500G	DPG3500B-500G
0 to 1000 psig	DPG5500B-1KG	DPG5600B-1KG	DPG3500B-1KG
0 to 2000 psig	DPG5500B-2KG	DPG5600B-2KG	DPG3500B-2KG
0 to 30.00 inHg Vac	DPG5500B-30INHGVAC	DPG5600B-30INHGVAC	DPG3500B-30INHGVAC
30.00 mmHg to 100.0 psig	DPG5500B-30V100G	DPG5600B-30V100G	DPG3500B-30V100G
0 to 15.00 psia	DPG5500B-15A	DPG5600B-15A	DPG3500B-15A
0 to 30.00 psia	DPG5500B-30A	DPG5600B-30A	DPG3500B-30A
0 to 760.0 torr abs	DPG5500B-760TORRA	DPG5600B-760TORRA	DPG3500B-760TORRA
0 to 85.0 inH <sub>2</sub> Og	DPG5500B-85INH2OG	DPG5600B-85INH2OG	DPG3500B-85INH2OG
0 to 140.0 inH <sub>2</sub> Og	DPG5500B-140INH2OG	DPG5600B-140INH2OG	DPG3500B-140INH2OG
0 to 1.000 barg	DPG5500B-1BARG	DPG5600B-1BARG	DPG3500B-1BARG
0 to 7.000 barg	DPG5500B-7BARG	DPG5600B-7BARG	DPG3500B-7BARG
0 to 14.00 barg	DPG5500B-14BARG	DPG5600B-14BARG	DPG3500B-14BARG

Comes complete with operator's manual.

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

DPG5600B-30G, 0 to 30.00 psig with 1/4 NPT lower fitting, battery powered, with a backlit display, min/max/zero.

DPG3500B-30G, 0 to 30.00 psig, 1/4 NPT lower fitting, battery powered, min/max/zero, NEMA 4X (IP66) housing.