

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
- ✓ $\pm 0.25\%$ 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, 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: $\pm 0.25\%$ 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: $\pm 0.5\%$ of span (typical), $\pm 1\%$ of span (maximum) 0 to 82°C (32 to 180°F)

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

Pressure/Vacuum Fitting: 1/4 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 $\pm 10\%$ 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

ALL RANGES AND RESOLUTIONS SHOWN AVAILABLE!

-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
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 Omega Engineering for other ranges listed above.

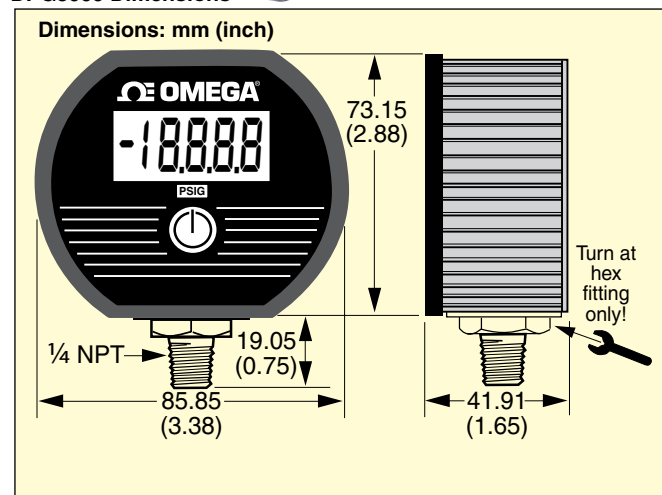
abs: Absolute reference (normally reads atmospheric pressure; reads zero at full vacuum).

vac: Vacuum gauge, minus sign not used unless specified.



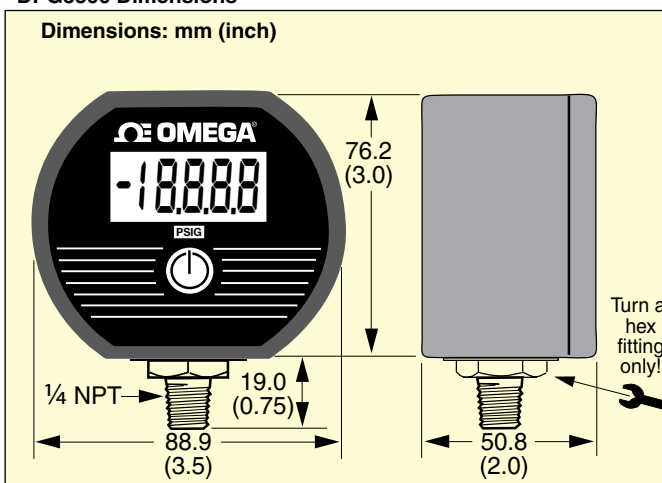
DPG5000 Dimensions

DPG5600B-60G, shown smaller than actual size.



DPG3500 Dimensions

DPG3500B-60G, shown smaller than actual size.



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 ₂ Og	DPG5500B-85INH2OG	DPG5600B-85INH2OG	DPG3500B-85INH2OG
0 to 140.0 inH ₂ 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.