

High Precision Digital Pressure Gauge with Bluetooth

DPG+

Electronic Digital Pressure Gauges



Description & Features:

- Sophisticated, highly accurate, digital pressure gauge
- Bluetooth function for datalogging, including exporting function
- Available ranges from very low pressure up to 15,000 psi (1,000) Bar
- Temperature sensor included to record ambient temperature
- $\pm 0.05\%$, 0.1% and 0.5% accuracies available
- IP65 for complete protection against dust and water
- Complete visual orientation with 330 degree dial rotation
- Powered by 3 x AAA batteries, with more than 1 year of operating life
- 5 year warranty

Applications:

- Designed to be used for calibration and testing of pressure instruments in workshops, repair facilities, laboratories or in the field

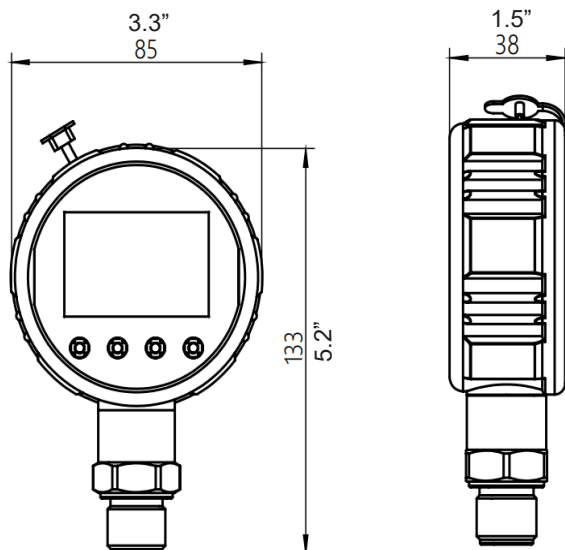
Specifications

Case	3.3" (85mm) with 330 degree rotation
Case Material	Cast Zinc with protective silicone rubber boot
Accuracy	0.05%, 0.1%, 0.5% full scale
Long Term Stability	Better than 0.05% FS per year
LCD Display	Large 2" x 1 3/8" (51mm x 36mm) with integrated backlight
Communication	Integrated Bluetooth for pairing between DPG Plus and mobile App
Mobile Application (iOS & Android)	App functionality includes monitoring, recording (data logging) and exporting of data
Connection	1/4" NPT, 1/2" NPT, G1/4, G1/2, M12x1.5, bottom (lower mount) connection only
Power Supply	3 x AAA Batteries or USB powered
Battery Life	The 3 x AAA Batteries, with ultra-low power consumption design, will provide a maximum battery life of more than 1 year
Power Mode	Automatic or manual shut-off (Automatic = if the unit is not sensing continuous pressure or being programmed)
Electrical Protection	Electromagnetic interference design
Display Units	6 digits plus Percentage Bar, Number of Recordings, Pressure Unit, Pressure Value, Battery Power, Bluetooth Symbol, Temperature Value, Maximum Pressure Reading
Key Functions	Power ON/OFF, Backlight, Clear / Re-zero, Unit Switching, Maximum Pressure Reading, Temperature Display, Data Recording, Expert / Factory Mode
Operating Temperature	-5°C to 40°C / 23°F to 104°F
Pressure Unit Selection	12 engineered units available: PSI, inHG, inH2O, inWC, atm, torr, BAR, mBAR, mH2O, Mpa, kgf, Pa
Response Time	1 to 10 times per second
Overload Pressure	200% $\leq$ 1,450 psi and 150% $>$ 1,450 psi
Wetted Parts	304SS
Enclosure Rating	IP65
Product Accessories	Durable case with insulation, USB cable

Order Codes (products in bold are normally stock in North America)

Dial Size 85mm (3.4") Accuracy 0.1% Full Scale		
Process Connection, Bottom	1/4" NPT	1/2" NPT
-15 psi	DPG3P01N4	DPG3P01N2
-15/0/15 psi	DPG3P02N4	DPG3P02N2
-15/0/30 psi	DPG3P03N4	DPG3P03N2
-15/0/60 psi	DPG3P04N4	DPG3P04N2
-15/0/100 psi	DPG3P05N4	DPG3P05N2
-15/0/150 psi	DPG3P06N4	DPG3P06N2
-15/0/200 psi	DPG3P07N4	DPG3P07N2
-15/0/300 psi	DPG3P29N4	DPG3P29N2
0/1 psi	DPG3P08N4	DPG3P08N2
0/5 psi	DPG3P09N4	DPG3P09N2
0/15 psi	DPG3P10N4	DPG3P10N2
0/30 psi	DPG3P11N4	DPG3P11N2
0/60 psi	DPG3P12N4	DPG3P12N2
0/100 psi	DPG3P13N4	DPG3P13N2
0/160 psi	DPG3P14N4	DPG3P14N2
0/200 psi	DPG3P15N4	DPG3P15N2
0/300 psi	DPG3P16N4	DPG3P16N2
0/600 psi	DPG3P17N4	DPG3P17N2
0/800 psi	DPG3P18N4	DPG3P18N2
0/1,000 psi	DPG3P19N4	DPG3P19N2
0/1,500 psi	DPG3P20N4	DPG3P20N2
0/2,000 psi	DPG3P21N4	DPG3P21N2
0/3,000 psi	DPG3P22N4	DPG3P22N2
0/4,000 psi	DPG3P23N4	DPG3P23N2
0/5,000 psi	DPG3P24N4	DPG3P24N2
0/6,000 psi	DPG3P25N4	DPG3P25N2
0/7,500 psi	DPG3P26N4	DPG3P26N2
0/10,000 psi	DPG3P27N4	DPG3P27N2

Dimensions



Engineering Codes

DPG+ OPTIONS

CASE SIZE

85mm (3.3")

SERIES PRESSURE RANGE - PS

-15 (-1/0)

-15 /0/15 (-1/0/1)

-15 /0/30 (-1/0/2)

-15 /0/60 (-1/0/4)

-15 /0/100 (-1/0/6)

-15 /0/150 (-1/0/10)

-15 /0/200 (-1/0/14)

1

5

15

30

60

100

150

200

300

600

800

1,000

1,500

2,000

3,000

4,000

5,000

6,000

7,500

10,000

15,000 (only available for 0.2% accuracy)

Custom Pressure Range (Numbers from P01 to P99)

PRESSURE

Gauge (standard)

ACCURACY

Absolute (0-5 to 150 PSI ranges only)

0.2% Full Scale

0.1% Full Scale (standard)

0.05% Full Scale

MECHANICAL CONNECTION

1/4" NPT

1/2" NPT

G1/4"

G1/2"

M20 * 1.5 M

Special Connection

PRESSURE PORT

304SS (standard)

DIAPHRAGM

304SS Welded (standard)

SPECIAL

Pressure Range

(R1=psi (standard), R2=kPa, R3=kg/cm2, R4=cmH2O, R5=ftH2O, R6=inHg, R7=mmHg, R8=inH2O, R9=

R10=ATM, R11=bar, R12=mbar, R13=MPa, R14=mH2O, R15=mmH2O, R16=Pa)

Customer Specific (Numbers from Z01 to Z99)

R # #

Z # #