

# MODEL PD202 GENERAL PURPOSE DIGITAL PRESSURE GAUGE



## FEATURES

- Vacuum to 19,999 psi
- 0.25% or 0.50% FS Terminal Point Accuracy
- 4½ digit, 0.5" (12.7 mm) LCD
- Nine engineering units
- IP54 protective boot
- Battery powered

## SPECIFICATIONS

Except where noted all specifications apply to operation at +25°C.

### General

**Type:** General Purpose Digital Pressure Gauge

**Pressure Input:** Vacuum to 19,999 psi & compound; see other engineering units below

**Display:** 0.5" (12.7 mm), 4½ digit LCD, 19,999

**Accuracy:** 0.25% or 0.50% FS, Terminal Point

**Backlight:** Optional; manual or auto off

**Bargraph:** Four-level battery indication

Display Resolution:	Pressure Range	Resolution
	-15 to 0	-XX.000
	0 to 2	X.0000
	2 to 20	XX.000
	20 to 200	XXX.00
	200 to 2000	XXXX.0
	2000 to 19,999	XXXXX

**Display Update Rate:** 10/second

**Case Size:** 2½" diameter

**Case Material:** impact-resistant thermoplastic; color: black

**Case Rating:** IP54 with protective boot

**Wetted Materials:** 17-4 PH stainless steel sensor;

316 stainless steel socket

**Socket Size:** ¼" NPT

**Socket Location:** Lower connection, 6 o'clock

**Mounting:** Stem

**Weight:** 4.8 oz (136 g)

**Power:** Two AAA alkaline batteries included

**Battery Life:** >500 hours

Overpressure:	Vacuum	0-3000	
	0-1000	0-5000	0-9999
Proof:	200%	150%	120%
Burst:	800%	300%	150%

**Cycle Life:** 10<sup>8</sup> cycles 20-80% FS with negligible performance loss

**Vibration:** < ±0.1% FS effect for 0-2000 Hz @ 20 g in any axis

**Shock:** < ±0.05% FS effect for 100 g, 20 ms shock in any axis

**Operating Temperature:** -10 to 60°C

**Storage Temperature:** -20 to 70°C

**Relative Humidity:** 0 to 90% non-condensing

**Leak Integrity:** 1 x 10<sup>-3</sup> std. cc/sec

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## Keypad Functions

**On/Off:** Manually turns unit on and off (programmable auto off settings: never, 5, 10, 20 minutes).

**Zero/Clear:** Zeros display or clears max & min values when values are displayed.

**Max/Min:** Displays max & min value when activated.

**Backlight (optional):** Manually turns backlight on and off; (programmable auto off settings: never, 30 sec, 1 min, or 5 min)

**Engineering Units:** psi, Bar, kg/cm<sup>2</sup>, kPa, MPa, ftH<sub>2</sub>O, inHg, cmHg, mmHg

**Field Calibration:** Zero and span

## ORDERING INFORMATION

Model PD202 • General Purpose Pressure Gauge	
Model	Description
PD202-BK0-4N-##	0.50% Accuracy + Backlight
PD202-BL0-4N-##	0.50% Accuracy
PD202-BK0-4A-##	0.25% Accuracy + Backlight
PD202-BL0-4A-##	0.25% Accuracy

## represents pressure range code. See Pressure Range Codes Table for details

Accessories	
Model	Description
PDA2006	Gauge Pouch for PD202
PDA2007	Protective Rubber Boot for PD202

Authorised Distributor:



46, Jalan SS 22/21, Damansara Jaya,  
47400 Petaling Jaya, Selangor Darul Ehsan, Malaysia.

Email: [nog@nog.com.my](mailto:nog@nog.com.my)

Web access: <http://www.nog.com.my>

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## PRESSURE RANGES

The following engineering units can be configured to the digital pressure gauge (with legend). To determine proper Pressure Range Code convert engineering units to psi, then select optimum standard pressure range from Pressure Range Code Table.

Conversion Chart	
Other Units	psi (multiplier)
mmHg	0.0193
cmHg	0.1933
inHg	0.4911
kg/cm <sup>2</sup>	14.2233
Bar	14.5038
ftH <sub>2</sub> O (Three temperature options: 20°F, 60°F, and 4°C)	0.4327
kPa	0.1450
mPa	145.038

### Example

$$\begin{array}{ccccccc}
 \mathbf{35 \text{ Bar}} & \times & \mathbf{14.5038} & = & \mathbf{507.06 \text{ psi}} & = & \mathbf{10} \\
 \textit{Your Range} & & \textit{Multiplier} & & \textit{psi Range} & & \textit{psi Code}
 \end{array}$$

Your Part Number: PD202-BK0-4N-10

Pressure Range Code (##)		
##Code	Range	Units
C2	-30/30	Compound psi
C3	-30/60	
C4	-30/100	
00	-30/0	Compound inHg
04	30	Pressure psi
05	60	
06	100	
08	200	
09	300	
10	500	
11	600	
12	800	
13	1,000	
15	2,000	
17	3,000	
18	5,000	
21	10,000	
22	15,000	
23	19,999	

Note: Additional codes will be provided upon request for other ranges listed.

## DIMENSIONS

Units: Inch (mm)

