

PD205 / PD206

General Purpose Digital Pressure Gauges



PRESSURE

FEATURES

- Vacuum to 25,000 psi
- 0.25% or 0.50% Terminal Point Accuracy
- 5-Digit, 0.48" (12.2 mm) LCD
- 20-Segment Bargraph Display
- Nine Engineering Units
- IP67 Weather-Proof Enclosure
- CE & RoHS Compliant
- Battery powered

Keypad Functions

Enter: Manually turns unit on and off

Zero: 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: 1 min, 5 min, 20 min, or none)

Engineering Units: psi, bar, inHg, cmHg, mmHg, kPa, mPa, kg/cm², ftH₂O, and custom

Field Calibration: Zero and span

INTRODUCTION

The PD205 digital pressure gauge offers 0.5% accuracy. The PD206 offers even greater accuracy at 0.25%. The 1/2" 5-digit display provides optimum resolution. A laser-welded stainless steel sensor and socket make this product suitable for a wide variety of media in difficult industrial applications. The IP67 rating makes this product suitable for demanding applications, such as equipment wash down.

These gauges come standard with many features such as nine pre-programmed units of measure, tare, max/min (peak/valley), programmable custom engineering units, and pressure ranges up to 25,000 psi. The menu style navigation simplifies programming. The extended battery life (>2,000 hours) minimizes maintenance requirements.

SPECIFICATIONS

General

Type: General Purpose Digital Pressure Gauge

Pressure Input: Vacuum to 25,000 psi & compound; see other engineering units below

Display: Upper display: 0.48" (12.2 mm), 5-digit (99,999).

Lower display: 0.24" (6.1 mm), 5-character alphanumeric. LCD display

Accuracy: 0.25% or 0.50% FS, Terminal Point

Backlight: Optional; manual or auto off

Bargraph: 20-segment

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: 1Hz, 2Hz, 4Hz

Gauge Face: 2½" diameter

Case Material: Polycarbonate/ABS

Case Rating: IP67

Wetted Materials: 17-4 ph sensor & 316L socket, laser welded

Socket Size: ¼" NPT

Socket Location: Lower connection, 6 o'clock

Mounting: Stem

Weight: 6.5 oz (184 g)

Power: Two AA alkaline batteries

Battery Life: >2000 hours

Overpressure:	Vacuum- 2000	3000- 5000	7500- 25000
Proof:	200%	150%	120%
Burst:	800%	500%	300%

Cycle Life: 10⁶ cycles 20-80% FS with negligible performance loss

Vibration: MIL-STD-202G, Method 201A

Shock: MIL-STD-202G, Method 213B, Test condition K

Operating Temperature: -20 to 60°C

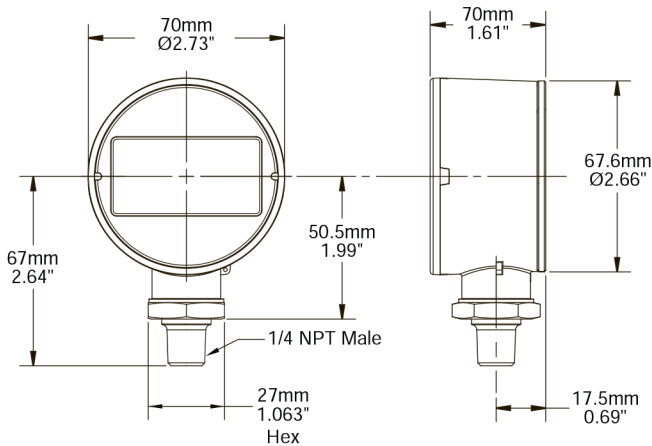
Media Temperature: -20 to 80°C

Storage Temperature: -20 to 60°C

Relative Humidity: 0 to 90% non-condensing

Leak Integrity: 10⁻⁷ std. cc/sec

DIMENSIONS



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ORDERING INFORMATION

General Purpose Digital Pressure Gauges	
Model	Options Installed
PD205-BK0-4N #####	0.50% Accuracy + Backlight
PD205-BL0-4N #####	0.50% Accuracy
PD206-BK0-4N #####	0.25% Accuracy + Backlight
PD206-BL0-4N #####	0.25% Accuracy

Pressure Ranges		
Range	Code	Units
-30/0	CH00	Compound inHg
-14.5/15	C150	Compound psi
-14.5/30	C300	Compound psi
-14.5/60	C600	Compound psi
-14.5/100	C101	Compound psi
-14.5/300	C301	Compound psi
15	P150	Pressure psi
30	P300	Pressure psi
60	P600	Pressure psi
100	P101	Pressure psi
200	P201	Pressure psi
300	P301	Pressure psi
500	P501	Pressure psi
1,000	P102	Pressure psi
1,500	P152	Pressure psi
2,000	P202	Pressure psi
3,000	P302	Pressure psi
5,000	P502	Pressure psi
10,000	P103	Pressure psi
15,000	P153	Pressure psi
20,000	P203	Pressure psi
25,000	P253	Pressure psi

Accessories	
Model	Description
PDA2006	Gauge Pouch
PDA2007	Protective Rubber Boot

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