

Pressure Gauge

PG-X

PRODUCT DATA SHEET



The Loop-Powered Pressure Gauge is a compact two-wire 4–20 mA instrument that draws its operating power directly from the process loop, eliminating the need for an external supply and simplifying field installation. It employs a temperature-compensated piezoresistive transducer with 316 stainless-steel wetted parts for high-precision readings and excellent corrosion resistance. A clear 5-digit LCD displays gauge, absolute, or compound pressure in user-selectable units for instant on-site verification. The Gauge also has an optional low powered bluetooth connectivity function for seamless wireless data access. Onboard data storage capabilities make advanced data analytics possible providing actionable insights.

SPECIFICATIONS

Measuring Range	Customized ranges from -0.01MPa to 100MPa. (See model selection guide)
Accuracy	±1% to ±0.1% (See model selection guide)
Units	Bar, Psi, Pa, kPa, MPa, mmH ₂ O, mH ₂ O, Torr, atm, kg/cm ²
Pressure Reference	Vacuum, Vented (gauge pressure), Absolute, and Sealed
Loop Powered Feature	2-Wire loop powered instrument to minimize wire cost

Mechanical Connections	Available in a variety of mechanical connections. (See model selection guide)
Compatability	Liquid, air and dry gas
Protections	Complies to: • IEC61000-4-2: ESD Protection • IEC61000-4-4: EFT Protection • IEC61000-4-5: Surge Protection
IP Rating	IP67
Wetted Material	PEEK, PVC, Nitrile rubber
Bluetooth & Data Connectivity (Optional)	BLE connection with AT Systems mobile application for live data and downloads
Power Requirements	24VDC ±10%
Power Connection Information	M12 Connector with IP67 rating for easy connecting and disconnecting

APPLICATIONS

- Chemical Industry
- Water and waste water monitoring
- HVAC systems
- Industrial distribution systems
- Food & Beverages Industries
- Ammonia Refrigeration Systems
- Gas Compressors
- Air Compressors



MODEL SELECTION GUIDE



PG - X - A L0 G O L C M

