

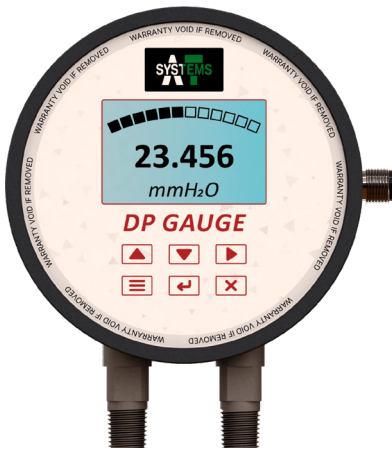
DP Gauge

DPG-X



AT SYSTEMS

PRODUCT DATA SHEET



The Loop-Powered Differential Pressure Gauge is a precise and efficient instrument engineered to measure the pressure difference between two points within a system. Operating on a 4~20 mA loop-powered signal, it eliminates the need for external power sources, simplifying installation and integration into existing control systems. The gauge features a high-contrast digital display for real-time monitoring and supports various units of measurement. Its robust design ensures reliable performance in demanding environments, making it ideal for applications such as filter monitoring, flow measurement, and level detection in pressurized vessels. With optional features like data logging and Bluetooth connectivity, this gauge provides enhanced capabilities for process optimization and maintenance planning.

SPECIFICATIONS

Measuring Range	Customized ranges from -0.1Bar to 25Bar. (See model selection guide)
Accuracy	±0.2% Full Scale (FS) Accuracy
Units	Bar, Psi, Pa, kPa, MPa, mmH ₂ O, mH ₂ O, Torr, atm, kg/cm ²
Operating Temperature	-40°C ~ 125°C (See model selection guide)
Maximum Pressure	2x rated pressure
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)

Compatibility

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

316L Stainless Steel

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

Warranty

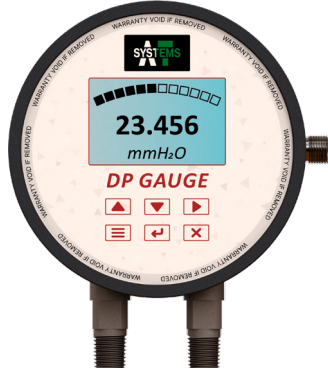
1-Year Warranty

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



DPG - X - A L0 G O L C M

