Rosemount™ Smart Pressure Gauge

WHAT IF...

...you could be sure your gauge was delivering accurate information?

...a gauge could help maintain the safety of your plant?

CHALLENGE

Traditional gauges routinely fail, providing unreliable information without any indication. Basing important maintenance decisions on these faulty gauges can negatively impact plant safety and productivity.

OUR SOLUTION

The Rosemount Smart Pressure Gauge has a robust design that resists common failures, delivers dependable information about plant equipment and constantly informs users of its status.

HOW IT WORKS

- Industry-proven Rosemount Pressure sensor technology replaces traditional mechanical components to deliver up to 10 years of maintenance-free operation.
- Innovative design provides overpressure protection and dual layers of process isolation to keep personnel safe and ensure reliable pressure readings.
- Digital electronics confirm proper gauge operation through local status indication.

Key Innovations
- Gauge status indication
- Overpressure and burst protection
- Dual layers of process isolation

For more information visit
Emerson.com/RosemountPressureGauge
or contact your local Emerson® Sales Representative

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Rosemount Smart Pressure Gauge

Smart Pressure Gauge Key Product Specifications*	
Accuracy	ASME B40.1 - Grade 2A (0.5% of span)
Display	4.5 in. (114 mm)
Pressure Range	Up to 4,000 psi (276 bar)
Measurement Types	Gage, absolute, compound, and vacuum
Engineering Units	psi, kilopascals (kPa), bar, mbar, megapascal (MPa), inH_2O, kg/cm^2, ftH_2O, mmH_2O, inHg, cmH_2O, cmHg, mmHg, % of range, custom
Enclosure	Engineered polymer – NEMA® 4X, IP66/67
Weight	1.8 lb. (0.82 kg)
Battery Life	Up to 10 years
Burst Pressure	11,000 psi (758 bar)
Overpressure Protection	Up to 150 times scale range
Hazardous Location Approvals	Intrinsic Safety: US, Canada, IECEx, ATEX
Temperature Limits	Ambient: -40 to 175° F (-40 to 85° C) Process: -40 to 250° F (-40 to 121° C)
Status Indicators	LED and needle position

*See product data sheet for full specifications.

Associated Products

Diaphragm Seals	Integral Manifolds

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Consider it Solved.

Emerson Automation Solutions supports you with innovative technologies and expertise to address your toughest challenges.
For more information, visit Emerson.com/RosemountPressureGauge.

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