



The Pressure Measurement Difference

For the perfect gauge pressure solution, look no further than the Foxboro IGP10 pressure transmitter. It surpasses transducer-based meters via easy configuration, accurate performance, and longer life throughout gas production midstream applications.

- Replaces transducer-based meter
- Draws low power consumption for remote sites
- Provides standard transient protection for gas field use
- Presents unmatched price/performance
- Demonstrates unequaled reliability/robustness
- Offers industry's best warranty (5 years)
- Configure and use via easy LCD/pushbuttons
- Get rapid delivery for unbeatable availability



THE FOXBORO DIFFERENCE

New instrumentation ideas — applied at the point where the control system meets your process — can make all the difference. They allow you to greatly improve your operation's economic, safety, and environmental performance.

Others may imitate our successful designs of the past.

Today, Foxboro instrumentation furnishes further innovations instead. We offer a broad range of pressure transmitters, flowmeters, analytical instruments, and other measurement product lines ideal for your applications.

IGP10 Pressure Transmitter
for Gas Production

Gas Measurement Performance and Durability When the Pressure Is On



Foxboro
Foxboro, MA 02035-2099
1-508-549-2424
1-888-FOXBORO
Fax: 1-508-549-4999

www.foxboro.com/instrumentation

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At Last, Pressure Measurement That Lasts

The Foxboro IGP10 pressure transmitter utilizes field-proven silicon strain gauge technology for the reliability and performance that gas production pressure measurement demands.

This workhorse two-wire instrument delivers accuracy of $\pm 0.060\%$ of span at turndowns up to 10:1, plus unequalled durability, used in casing, tube, or line. Users can select models featuring analog outputs of 4-20 mA or 1-5 V dc (low power), or digital communications using HART, FoxCom, FOUNDATION fieldbus, or PROFIBUS.

Unlike the transducer-based pressure meters often used for gas measurement, the IGP10 is designed with advantages such as integrated intelligence and compensation for ambient temperature variations. It delivers easy configuration via its built-in LCD pushbutton display, eliminating separate handheld configurators.

And also unlike competitive meters, it won't require replacement several times a year. In fact, its unbeatable service life means Foxboro can offer the IGP10 with a 5-year warranty: the longest in the industry.

Its low-power capability and standard built-in transient protection is preferred for remote locations.

It guards against lighting strikes. And 24-hour shipment means it's ready when you are.



Specifications

Accuracy

- To $\pm 0.06\%$ of span

Ambient temperature effects

- To $\pm [0.03\%$ of URL (upper range limit) $+0.06\%$ of span] per 28°C (50°F)

Sensor temperature limits

- To -46° and $+121^\circ\text{C}$ (-50° and $+250^\circ\text{F}$)

Ambient temperature limits

- To -40° and $+85^\circ\text{C}$ (-40° and $+185^\circ\text{F}$)

Certifications

- Full range of safety and hazardous location approvals and certifications

Span limits

- From 7 to 210 kPa, 1 and 30 psi, 0.07 and 2.1 bar or kg/cm₂
- To 70 and 210 MPa, 10000 and 30000 psi, 700 and 2100 bar or kg/cm₂

Range limits

- From 0 and 0.21 MPa, 0 and 30 psi, 0 and 2.1 bar or kg/cm₂
- To 0 and 210 MPa, 0 and 30000 psi, 0 and 2100 bar or kg/cm₂

Maximum overrange

- From 0.31 MPa, 45 psi, 3.15 bar or kg/cm₂
- To 231 MPa, 33000 psi, 2310 bar or kg/cm₂

Sensor fill fluid

- Dow Corning DC200 silicone oil or 3M Fluorinert, as specified

Enclosure classification

- Meets IEC IP66 and NEMA Type 4X

Materials of construction

- Process connection: 316L ss, Hastelloy C, 15-5 ss, Inconel X-750, 13-8 Mo ss, as specified
- Sensor: Co-Ni-Cr, 316L ss, Hastelloy C, 15-5 ss, Inconel X-750, 13-8 Mo ss, as specified

Superior Features

Rugged and dependable

- Field-proven silicon strain gauge sensor technology
- Corrosion-resistant epoxy finish

Choice of electronics modules

- HART
- FOUNDATION fieldbus
- PROFIBUS
- FoxCom
- Analog 4-20 mA

Easy LCD/pushbutton configuration

- Optional on FOUNDATION fieldbus, PROFIBUS, FoxCom/4-20 mA, and HART/4-20 mA versions
- Standard on 4-20 mA and 1-5 V dc versions

Adopt the industry's most durable, high-performance pressure measurement solution today. Visit www.foxboro.com/instrumentation or just call 1-888-FOXBORO.

