

Reliable Pressure Measurement That Lasts

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

- Wellhead, casing, and line
- Separators
- Pipelines
- Compressors and more

This workhorse two-wire instrument delivers accuracy of $\pm 0.06\%$ of span at turndowns up to 10:1, plus unequaled durability, used in casing, tube, or line. Users can select models featuring analog outputs of 4-20 mA, 1-5 V dc (low power), or digital communications using HART.

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.

About Foxboro M&I

The Foxboro Measurements and Instruments (M&I) Division has a long-standing reputation for providing world-class measurement solutions. With a legacy of accurate, reliable, and innovative products, the group prides itself on working with customers to achieve industry-best total solutions for optimum measurement or analysis of temperature, pressure, flow, and electrochemical variables.

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

IGP10 Gauge Pressure Transmitter



The Foxboro IGP10 is the perfect gauge pressure solution as it easily surpasses transducer-based meters via easy configuration, accurate performance, and longer life throughout upstream oil and gas production applications.



Invensys • 10900 Equity Drive Houston, TX 77041
Tel: (713) 329-1600 • Fax: (713) 329-1700 • iom.invensys.com

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Rel. 7/12 PN FX-0221

The Pressure 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 upstream oil and gas production applications:

- Installations for measuring oil and gas pressures of the annular casing, production tubing at the wellhead, flow line and separator pressures.
- Easy two-button configuration, located on the LCD display keypad, eliminates the need to communicate with laptops and hand held configurators.
- Standard 5-year warranty at no additional cost.
- Replaces barstock type pressure transducers.
- Low power consumption, designed for solar or wind turbine powered installations.
- Field replaceable, LCD display, with selectable position rotation feature.
- Standard ½" MNPT X ¼" FNPT combination process connection.
- Provides standard transient protection for Oil & Gas applications

Don't settle on a lower quality product just to help solve a supplier's inventory problem.

The Foxboro IGP10 with its standard built-in transient protection guards against lightning strikes and the low power option is preferred for remote locations. With our Rocket Program the IGP10 can be shipped within 24-hours, 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/cm^2
- To 70 and 210 MPa, 10000 and 30000 psi, 700 and 2100 bar or kg/cm^2

Range limits

- From 0 and 0.21 MPa, 0 and 30 psi, 0 and 2.1 bar or kg/cm^2
- To 0 and 210 MPa, 0 and 30000 psi, 0 and 2100 bar or kg/cm^2

Maximum overrange

- From 0.31 MPa, 45 psi, 3.15 bar or kg/cm^2
- To 231 MPa, 33000 psi, 2310 bar or kg/cm^2

Enclosure classification

- Meets IEC IP66 and NEMA Type 4X

*Applies to the (-T)

Superior Features

Rugged and dependable

- Field-proven silicon strain gauge sensor technology
- Corrosion-resistant epoxy finish
- Easy LCD/pushbutton configuration

Versatile choice of electronics modules

- HART
- Analog 4-20 mA
- Low Power 1-5 V dc

