PRESSURE TRANSMITTER Model IGP10



FEATURES

- Intelligent HART / 4-20 mA version or economical 4 to 20 mA version
- Compact light weight and direct to processing mounting
- Corrosion-resistant epoxy finish
- Accuracy to ±0.07% of span
- Push button configuration/LCD indicator to set-up displays
- Field-proven silicon strain gauge technology
- Ambient temperature effects to ±0.2% URL per 100°F (55°C)

TYPICAL APPLICATIONS

- Fuel tank level
- Offshore oil rigs
- Process control
- Sanitary
- Pulp & paper
- Chemical process

EXCEPTIONAL VALUE

The combination of small size, light weight, direct mounting, standard materials, and wide measurement capability with high performance make this an exceptionally cost effective solution for process pressure measurement.

DIRECT PROCESS MOUNTING

Because of their light weight and external threaded connection, these transmitters can be installed directly on process piping without mounting brackets. However, for unique requirements, an optional bracket is offered and connection can be made to the standard 1/4 NPT internal thread.

WIDE RANGEABILITY

Three absolute pressure versions are offered to allow spans from 1 to 3000 PSI (7 to 21 000 kPa), and four gauge pressure versions are offered to allow spans from 1 to 6000 PSI (7 to 42 000 kPa).

EASILY ADAPTABLE

With process connection of 316L SS or Hastelloy C, and sensor diaphragm available in either 316L SS, Hastelloy C, or highly corrosion resistant Co-Ni-Cr, this transmitter is an excellent choice for the vast majority of process pressure measurements.

For more information, contact Viatran.





Viatran 199 Fire Tower Drive Tonawanda, NY 14150 Hotline: 1-800-688-0030 Phone: 1-716-629-3800 Fax: 1-716-693-9162 Email: solutions@viatran.com



PRESSURE TRANSMITTER Model IGP10

PERFORMANCE		Full Scale Pressure Range (FSPR)	0-30, 300, 3000, 6000 PSI (0-2, 21, 210, 420 bar)
Accuracy (linearity, hysteresis & repeatability)		Digital output	±0.05% of calibrated range
		4-20 mA output	±0.06% of calibrated range
F	Process Temperature Range	Silicone Fill Fluid	50°F to 250°F (-45°C to 121°C)
		Fluorinert Fill Fluid	20°F to 250°F (-28°C to 121°C)
A	mbient Temperature Range	Silicone Fill Fluid	40°F to 185°F (-40°C to 85°C)
		Fluorinert Fill Fluid	20°F to 185°F (-28°C to 85°C)
		Ambient Temperature Effect	±(0.03% URL + 0.06% span)
		Communication Protocol	HART, 4-20 mA DC and digital output
		Stability	
ELECTRICAL		Supply Voltage	
		Output Load	0-1450 Ohms
	Output Signal (as specified)		Digital FoxCom and/or 4-20 mA DC, configurable
		Version -T Electronics	Digital HART and 4-20 mA dc
		Version -F Electronics	Digital FOUNDATION fieldbus (FISCO compliant)
		Version -P Electronics	Digital Profibus
		Version -A Electronics	Analog 4-20 mA dc
		Version -V Electronics	Analog 1 to 5 V dc, low power
		RFI Protection	0.1% error between 27% 1000 MHz at 30 V/m field intensity
		Response Time	
MECHANICAL CONNECTION		Process Connection	1/4 NPT direct to process connection
MATERIALS OF CONSTRUCTION			Dow Corning DC200 or 3M Fluorinert FC43
		Enclosure Classification	Meets IEC IP66 and NEMA 4X
		Identification	Laser etched onto body

SPAN, RANGE LIMIT CODES

Span Code	Span Li	mits	Range Limits		
	PSI	bar	PSI	bar	
С	1 and 30	0.07 and 2.1	0 and 30	0 and 2.1	
D	10 and 300	0.7 and 21	0 and 300	0 and 21	
E	100 and 3000	7 and 210	0 and 3000	0 and 210	
F	2000 and 6000	140 and 420	0 and 6000	0 and 420	

MAXIMUM OVER-RANGE & PROOF PRESSURE RATING	Span Code Maximum Over-		ver-Range	-Range Proof Pressure Rating	
		PSI	bar	PSI	bar
	С	45	3.15	120	8.27
	D	450	31.5	1200	82.7
	E	4500	315	11500	793
	F	8400	588	22000	1517





 FM/CSA
 Intrinsic Safety:
 (F and C versions)
 Class 1, Division 1, Groups A, B, C, D;
 Class II, Division 1, Groups E, F, G;

 Class III, Division 1
 Class III, Division 1
 Class III, Division 1

Explosion Proof/Dust Ignition Proof: (F and C versions) Class 1, Division 1, Groups B,C, D; Class II, Division 1, Groups E, F, G; Class III, Division 1

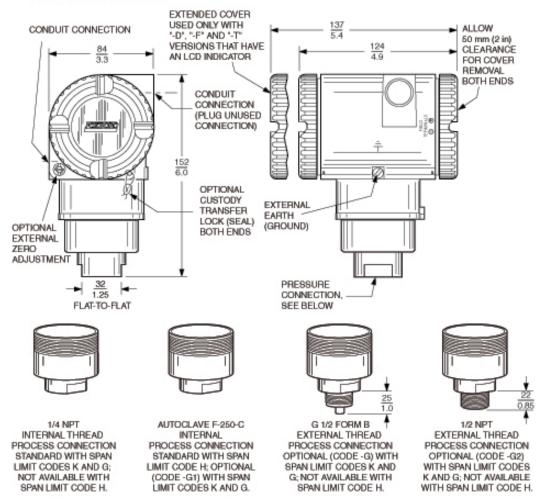
Nonincendive (V and C versions): Class 1, Division 2, Groups A, B, C, D; Class II, Division 2, Groups E, F, G; Class III, Division 2

GENERAL NOTES

 REPLACEABLE/INTERCHANGEABLE ELECTRONICS MODULE DETERMINES THE ELECTRONICS VERSION AND OUTPUT SIGNAL.

 TOPWORKS CAN BE ROTATED TO ANY POSITION WITHIN ONE TURN COUNTERCLOCKWISE OF THE FULLY TIGHTENED POSITION.

 CONDUIT CONNECTIONS (TWO) ARE EITHER I/2 NPT, M20, OR PG 13.5. PLUG UNUSED CONNECTION WITH METAL PLUG SUPPLIED BY FOXBORO.



Information is accurate to the best of Viatran's knowledge. We reserve the right to change specifications at any time. Please contact Viatran for specific order inquiries. 98DSIGP10a

