

## MELT PRESSURE TRANSDUCERS & TRANSMITTERS

300 Industrial Drive, Grand Island, NY 14072 USA Tel. (716)775-8830 • Fax (716)775-8020 • sales@gp50.com • www.gp50.com

### **Product Specification Sheet**

# SPACE RESTRICTED, HIGH PRESSURE TRANSDUCER / TRANSMITTER Models 131, 231, 331 with IB option



\*Refer to Appendix A For Wiring codes\*

#### **FEATURES:**

- · All-welded, stainless steel construction
- Exposed capillary and jam bushing for confined spaces
- State-of-the-art circuitry allows heavier diaphragm and increased fatigue life
- · Standard options for every requirement

#### **PRESSURE RANGES:**

 From 0-500 through 0-30,000 psig (See ordering guide)

#### ACCURACY:

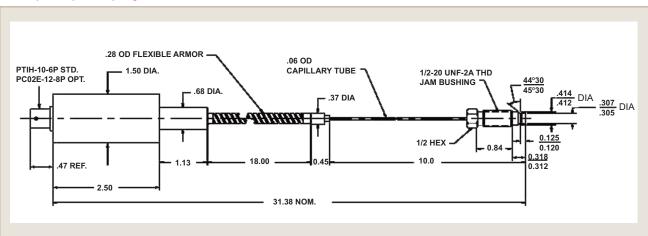
- ± 1.0% FSO, 500 psi through 3000 psi
- ± 0.25% FSO, 5000 psi through 30,000 psi

#### MODELS 131, 231, 331

The flexible tube of the product line provides the ultimate in thermal isolation for those demanding applications reaching the upper limits of 750°F. Provided with a standard 18 inch length of flexible stainless steel armored capillary tubing and approximately 10" of exposed capillary, (see outline drawing), they can be provided in shorter or longer lengths, with or without the armor, for machine geometries requiring alternative packages. Many variations are possible.

Please call the factory for free consultation on your needs.

#### \* Non explosion proof diaphragm shown below



GP:50 reserves the right to make product improvements and amendments to the product specifications stated throughout this brochure without prior notification. Please contact the factory on all critical dimensions and specifications for verification.



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Specifications reflect standard product, improved performance/mechanical options available. Modifications may alter specs, consult factory for more information.

Full Scale Pressure Ranges - See ordering guide					
Accuracy	Static Error Band	(Non-linearity, Hysteresis, Non-repeatability) ±1.0% FSO(RSS) 500 through 3000 psi ±.25% FSO(RSS) 5000 through 30000 psi			
Material in Contact with Pressure Media		15-5 PH stainless steel and hard chrome plated diaphragm surface			
	Proof Pressure	2 times full scale pressure r	ange or 35,000 psi whichever is less		
Temperature	e Limits	Diaphragm 750°F (400°C)	Strain Gauge Housing 176°F (80°C)		
	e Effects From Diaphragm Zero From Strain Gauge Housing Zero / Span	15 psi/100°F Less than ±1.0% FSO/100°	F (± 2.0% FSO/100°C)		
Orientation Shift on Zero Unit length x2 inHg, Option GJ		Unit length x2 inHg, Option	GJ zero and span control strongly recommended		
	Model 131 Model 231 Model 331 Input Impedance Model 131 Input Current Model 231 Load Impedance Model 131 Courbut Current Model 231 Zero Balance Model 131 Model 231 Model 331 Model 331 Model 331 Range Calibration Signal		5		
Connections Pressure Electrical		PTIH-10-6P, standard	1/2" - 20 UNF-2A jam bushing standard PTIH-10-6P, standard PT06A-10-6S (SR), standard mate (not included) See options.		
Enclosed Materials		316 stainless steel			
Mounting Torque		500 inch pounds, maximum			
Identification	n	Etched stainless steel name	Etched stainless steel nameplate welded to body.		

