



## MELT PRESSURE TRANSDUCERS & TRANSMITTERS

### Product Specification Sheet

#### FLANGE MOUNTED MELT PRESSURE TRANSMITTER

#### FOR HAZARDOUS ENVIRONMENTS

Models 130, 230, 330 / 131, 231, 331 / 230X, 231X / 330X, 331X  
230P, 231P / 330P, 331P / 330Z, 331Z with IE option



**\*REFER TO APPENDIX A  
FOR WIRING CODES\***

#### FEATURES:

- All-welded stainless steel construction
- State-of-the-art circuitry allows heavier diaphragm and increased fatigue life
- Zero & Span controls
- 2.62" OD flange, 6" rigid stem with O-ring seal
- 18" flex cable
- FM Explosion Proof Approved (Class I, II, III, Division I, Groups A, B, C, D, E, F, G)
- FM & CSA Intrinsically Safe Approved (Class I, Division I, Groups A, B, C, D)
- Internal Calibration Resistor set to  $80\% \pm 0.5\%$  FSO

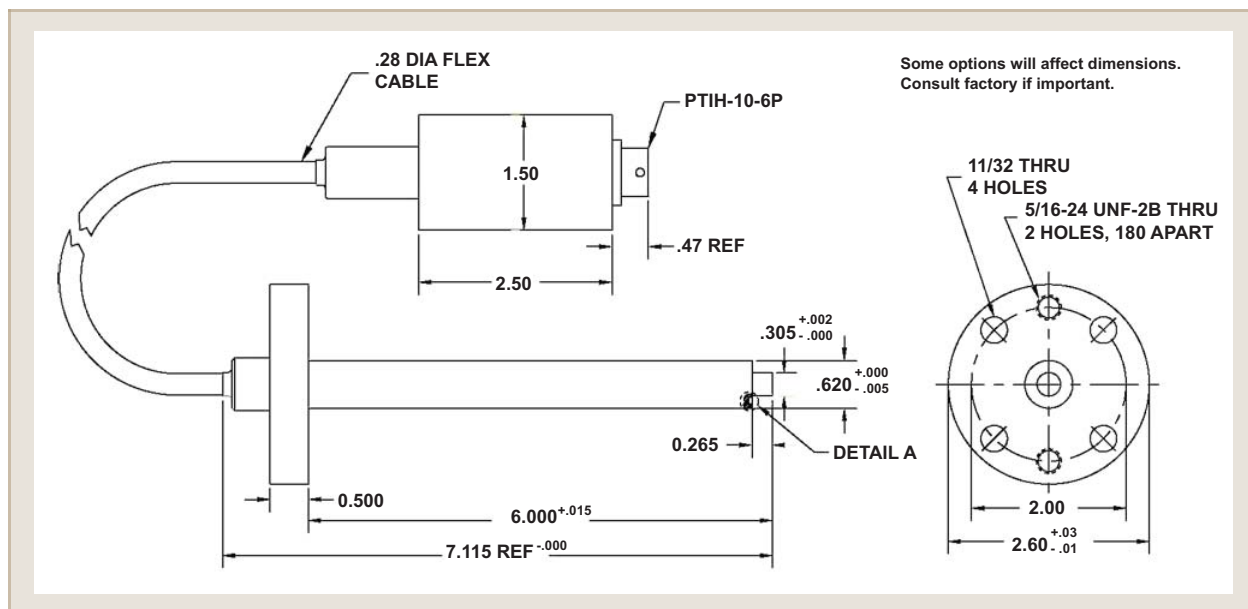
\* Internal Calibration not available on 330Z, 331Z

#### PRESSURE RANGES:

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

#### ACCURACY:

- 0.5% FSO (ranges 500 to 3,000 psi)
- 0.25% FSO (ranges 5,000 to 30,000 psi)



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.

<b>Accuracy</b>	<b>(Non-linearity, Hysteresis, Non-repeatability)</b> ± 0.25% FSO(RSS)	
<b>Full Scale Output (Span)</b>	4-20 mA ± 2% FSO	
<b>Proof Pressure</b>	2 times rated pressure range or 35,000 psi whichever is less	
<b>Diaphragm Temperature Limits</b>	750°F (400°C)	
<b>Electrical Connection</b>	Bendix PTIH-10-6P (6 pin bayonet mount) is standard. All others available.	
<b>Electricals</b>	<b>Excitation Voltage</b>	<b>Output at 70° F</b>
<b>(Model 330X-IE)</b>	9-36 Vdc	4-20 mA ± 2% FSO

### ORDERING GUIDE

Model: **X 3X X IE - XX - XX / XX / XX / XX / XX**

ELECTRICAL OUTPUT	
1	3.33 mV/V
2	0-5 Vdc
3	4-20 mA

BASE MODEL	
0	Rigid Stem Only
1	Rigid Stem and Flex

HAZARDOUS APPROVAL	
X	FM Explosion Proof
P	FM & CSA Explosion Proof
Y	FM & CSA Intrinsically Safe

THREAD TYPE	
IE	2.62" Flange, 6" Rigid Stem with O-Ring seal

PRESSURE RANGE			
RH	500 PSI	UV	50 BAR
RJ	600 PSI	UX	75 BAR
RK	750 PSI	UY	100 BAR
RM	1,000 PSI	UZ	150 BAR
RO	1,500 PSI	VA	200 BAR
RR	2,000 PSI	VB	300 BAR
RS	2,500 PSI	VC	350 BAR
RT	3,000 PSI	VD	500 BAR
RV	5,000 PSI	VE	700 BAR
RX	7,500 PSI	VF	750 BAR
RZ	10,000 PSI	UA	1,000 BAR
SB	15,000 PSI	UH	1,400 BAR
SD	20,000 PSI	UB	1,500 BAR
SF	30,000 PSI	UC	2,000 BAR
SZ	Custom	SZ	Custom

CAPILLARY TUBE LENGTH	
Blank	18 Inch (457.2mm) Flex
HS	9 Inch (228.6mm) Flex
HY	12 Inch (304.8mm) Flex
HV	24 Inch (609.6mm) Flex
GT	30 Inch (762mm) Flex

RIGID STEM LENGTH	
Blank	6 Inch (152.4mm) Rigid Stem
HJ	1 3/16 Inch (30.2mm) Rigid Stem
HD	3 Inch (76.2mm) Rigid Stem
HU	4 Inch (101.6mm) Rigid Stem
GO	9 Inch (228.6mm) Rigid Stem
GN	12.5 Inch (317.5mm) Rigid Stem
HT	24 Inch (609.6mm) Rigid Stem

DIAPHRAGM OPTIONS	
Blank	15-5 PH Diaphragm
GP	Hastelloy C-276 Diaphragm & Threads
GQ	Boron Hardened Diaphragm
JW	Titanium Nitride Coated Diaphragm & Threads
QS	Diamond Coating (DLC)

FILL TYPES	
Blank	Mercury (Standard - Included)
GV	Silicon Oil Fill (500°F Max)
GX	Mineral Oil Fill (500°F Max)

CONNECTOR OPTIONS	
Blank	6-Pin Bendix (PTIH-10-6P) - Standard for Non Approved & Intrinsically Safe Transducers
Blank	1/2" NPT (M) Thread with 72" Leads - Standard for Explosion Proof Transducers
CC	8-Pin Bendix (PCO2E-12-8P)
CF	1/2" NPT (M) Thread with 36" Leads

\* Other Options Available - Consult Factory

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