



MELT PRESSURE TRANSDUCERS & TRANSMITTERS

2770 Long Road, Grand Island, NY 14072 USA
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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

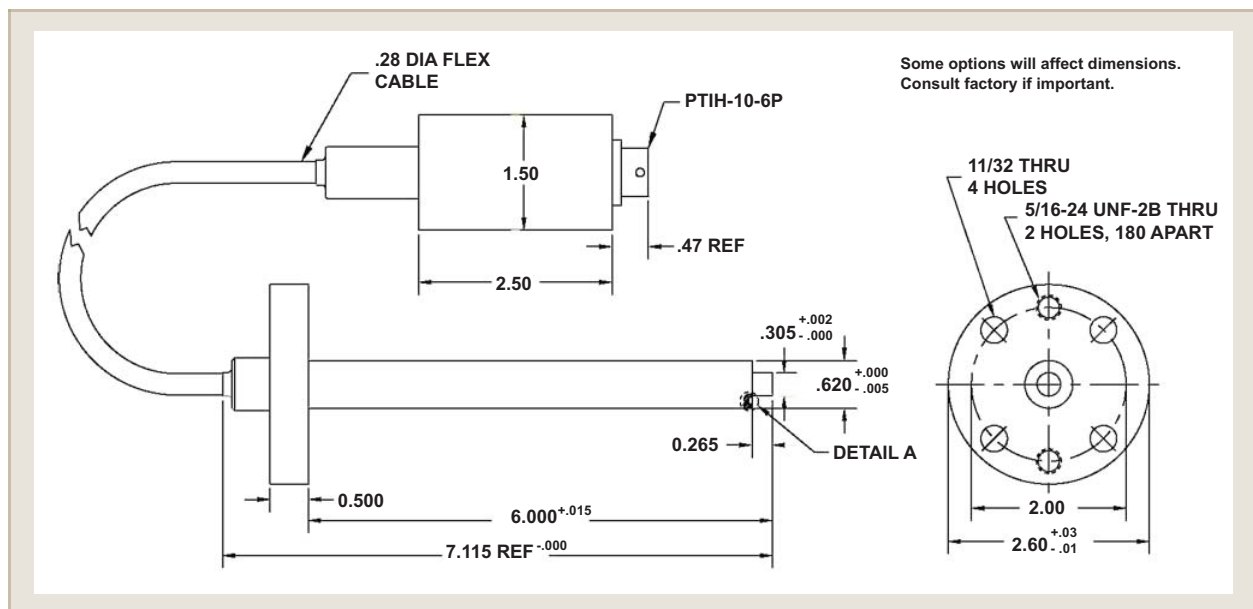
* Internal Calibration not available on 330Z, 331Z

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.

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

ORDERING GUIDE

Use the following codes to identify desired item.

MODEL	RANGE	OPTIONS
•	+	•/•/•

Example: 330X-RV-CF/GB/IE

MODEL

- 230 0-5 Vdc, Rigid Stem
- 231 0-5 Vdc, Flex/Rigid Stem
- 330 4-20 mA, Rigid Stem
- 331 4-20 mA, Flex/Rigid Stem

APPROVAL

- X FM XP
- P FM/CSA XP
- Z FM/CSA IS (330, 331 only)

PRESSURE RANGE

(PSI)	(BAR)
RH 500	UV 50
RJ 600	UX 75
RK 750	UY 100
RM 1000	UZ 150
RO 1500	VA 200
RR 2000	VB 300
RS 2500	VC 350
RT 3000	VD 500
RV 5000	VE 700
RX 7500	VF 750
RZ 10000	UA 1000
SB 15000	UH 1400
SD 20000	UB 1500
SF 30000	UC 2000
SZ Other	

OPTIONS

- AA 1/2" NPT (M) Thread with 72" cable (Standard on X & P)
- Intrinsically Safe - PTIH-10-6P

ALTERNATE CONNECTOR

- CC Bendix PCO2E-12-8P (8 pin)
- CF 1/2" NPT(M) thread with 60" potted leads

PRESSURE PORT

- IE 2.62" Flange, 6" Rigid Stem with O-ring Seal

GENERAL

- GB Alternate Electronic Output-specify zero and span output values
- GP Hastelloy C-276 Diaphragm and Thread
- GQ Boron-Hardened diaphragm
- GV Silicone Oil Fill. (Increases Thermal Shift) Consult factory
- GX Mineral Oil Fill. (Increases Thermal Shift) Consult factory
- JW Titanium Nitride-Coated Diaphragm & Threads
- QE Magnetically coupled, hermetically sealed zero & span controls (Models 330X & 331X only)
- GZ Customer Special
- QB Custom Nameplate
- MD Add zero and span for explosion proof models

RIGID STEM

- GN 12 1/2" Rigid Stem
- GO 9" Rigid Stem
- HD 3" Rigid Stem
- HJ 1 3/16" Rigid Stem
- HT 24" Rigid Stem
- HU 4" Rigid Stem
- MU Non-standard Rigid Stem

FLEX TUBING

- GT 30" Armored Capillary Tube
- HS 9" Armored Capillary Tube
- HV 24" Armored Capillary Tube
- HY 12" Armored Capillary Tube
- MT Non-standard Armored Capillary Tube (50" max)