

FLANGE MOUNTED MELT PRESSURE TRANSMITTER

FOR HAZARDOUS ENVIRONMENTS

Models 230X, 231X,
330X, 331X,
330Z, 331Z with IE option



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, II, III, Division I, Groups A, B, C, D, E, F, G)
- Internal Calibration Resistor set to 80% ± 0.5% FSO

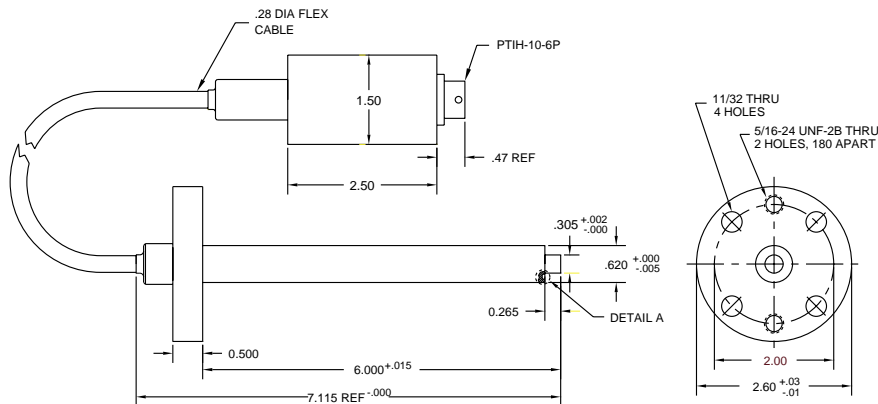
PRESSURE RANGES:

- 0-500 to 0-30,000 psi

ACCURACY:

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

| MODEL | OUTPUT @ 70°F | EXCITATION |
|---------|------------------|------------|
| 330X-IE | 4-20 mA ± 2% FSO | 9-36 Vdc |



Some options will affect dimensions. Consult factory if important.

PLASTIC MELT PRESSURE

SPECIFICATIONS

Unless otherwise stated, these specifications are the standards to which the units are normally constructed. Alterations may be easily and readily accomplished by the standard modification code or by discussion with the factory. We invite your inquiry.

| | |
|---|--|
| 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. |

ORDERING GUIDE

Use The Following Codes To Identify Desired Item.

| MODEL | RANGE | OPTIONS |
|-------|-------|---------------|
| • | — | • — • / • / • |

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

MODEL

| | |
|---------|-------------------------------------|
| 230X-IE | 0-5 Vdc, Rigid Stem, Expl Prf |
| 231X-IE | 0-5 Vdc, Flex/Rigid Stem, Expl Prf |
| 330X-IE | 4-20 mA, Rigid Stem, Expl Prf |
| 331X-IE | 4-20 mA, Flex/Rigid Stem, Expl Prf |
| 330Z-IE | 4-20 mA, Rigid Stem, Intr Safe |
| 331Z-IE | 4-20 mA, Flex/Rigid Stem, Intr Safe |

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 | | |

Ordering: Specify model and pressure range, and indicate modifications or accessories required.

OPTIONS

AA None (standard connector PTIH-10-6P)

ALTERNATE CONNECTOR

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

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

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 (exposed capillary approx. 10")
HS 9" Armored Capillary Tube (exposed capillary approx. 19")
HV 24" Armored Capillary Tube (exposed capillary approx. 10")
HY 12" Armored Capillary Tube (exposed capillary approx. 16")
MT Non-standard Armored Capillary Tube (50" max)

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