



MELT PRESSURE TRANSDUCERS AND TRANSMITTERS

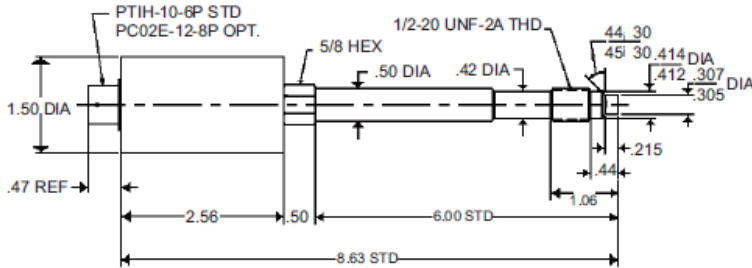
E-SERIES

1% ACCURACY MELT PRESSURE TRANSDUCER / TRANSMITTER MODELS 190, 191, 195, 290, 291, 295, 390, 391, 395



The E-Series melt pressure transducers are designed for general melt pressure measurement, offering typical installation and reliability. It is the value choice acceptable by OEMs and users around the globe. The GP:50 E-Series transducers incorporate industry standard 3.33 mV/V electrical output compatible with melt pressure indicators. Integrated thermocouple is available for melt temperature. The GP:50 E-series include a 1/2 - 20 UNF thread for installation in standard mounting holes and offer a range of electrical connections for most applications.

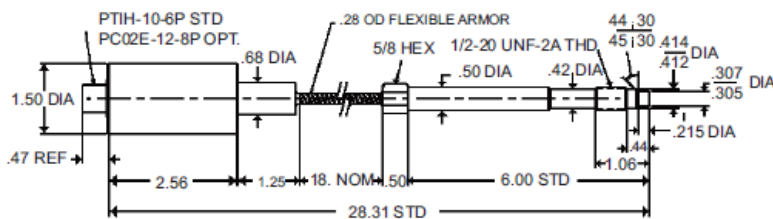
Model 90 Rigid Stem Only



FEATURES

- ◆ Meets the Needs for General Measurement
- ◆ Abrasion Resistant GPX Coating
- ◆ Standard Electrical Output
- ◆ Completely Welded Stainless Construction
- ◆ Economical
- ◆ 2 Year Warranty

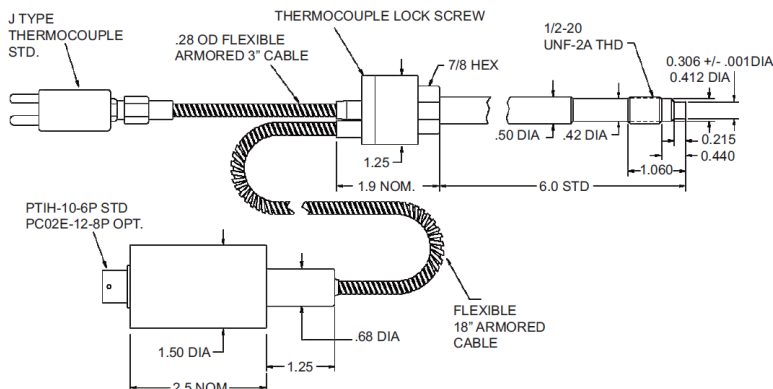
Model 91 Rigid Stem with Flexible Capillary



PRESSURE RANGES

From 0-3,000 to 0-10,000 PSI
(see ordering guide)

Model 95 Combination Temperature and Pressure



ACCURACY

±1.0% Standard FSO

100% MADE IN THE U.S.A.

E-SERIES MODELS 190, 191, 195, 290, 291, 295, 390, 391, 395

SPECIFICATIONS

Full Scale Pressure Ranges	See ordering guide			
Accuracy	±1.0% FSO Accuracy,			
Material in Contact with Pressure Media	15-5 PH Stainless Steel diaphragm with GPX coating			
Proof Pressure	2 times the full scale pressure range up to 20,000 PSI			
Temperature Limits	Diaphragm 750°F (400°C)	Strain Gauge Housing 176°F (80°C)		
Temperature Effects	From Diaphragm Zero—15 PSI / 100°F	From Strain Gauge Housing Zero / Span—Less than ±1.0% FSO / 100°F (±2.0% FSO / 100°C)		
Electricals		(100 Models—3.33 mV/V)	(200 Models—0-10 Vdc)	(300 Models—4-20 mA)
	Excitation Voltage	3.5—15 Vdc	14.5—34 Vdc	14-36 Vdc
	Output at 70°F	3.33 mV/V ±2.0% FSO	10.0 Vdc ±2.0% FSO	4-20 mA ±2.0% FSO
	Input Impedance	350 ohm, nominal		
	Input Current		8 mA, nominal	
	Output Current		2.0 mA maximum for less than 0.1% FSO attenuation	
	Load Impedance	50,000 ohms minimum for less than 0.1% FSO attenuation,		1350 ohms maximum, at 36 Vdc and 750 ohms 24 Vdc
	Zero Balance	0.0 mV/V ±5.0% FSO at 70°F	0.0 Vdc ±5.0% FSO at 70°F	4.0 mA ±5.0% FSO at 70°F
Range Calibration Signal	80% ±5.0% FSO	80% ±5.0% FSO		
Connections	Pressure 1/2" - 20—UNF—2A	Electrical PTIH—10—6P standard, 8-pin connector available		
Enclosed Materials	316 Stainless Steel			
Mounting Torque	180-200 inch pounds, 500 inch pounds thread limitation			

ORDERING GUIDE

Example P/N: 191-RV-CC

MODEL: X 9X—XX—XX / XX / XX / XX / XX / XX

ELECTRICAL OUTPUT	
1	3.33 mV/V
2	0—10 Vdc
3	4—20 mA

BASE MODEL	
0	Rigid Stem Only
1	Rigid Stem / Flex
5	Rigid Stem / Flex with Thermocouple

PRESSURE RANGE	
RT	3,000 PSI
RV	5,000 PSI
RX	7,500 PSI
RZ	10,000 PSI

CONNECTOR OPTIONS	
AA	6-Pin Bendix (PTIH-10-6P)
CC	8-pin Bendix (PCO2E-12-8P)

FILL TYPES	
AA	Mercury Fill

TEMPERATURE SENSOR OPTIONS	
AA	J-Type Thermocouple

CAPILLARY TUBE LENGTH	
AA	18 inch (457.2 mm) Flex

RIGID STEM LENGTH	
AA	6 inch (152.4 mm) Rigid Stem

DIAPHRAGM OPTIONS	
AA	17—4 SS GPX Coated Diaphragm

Option "AA" denotes standard