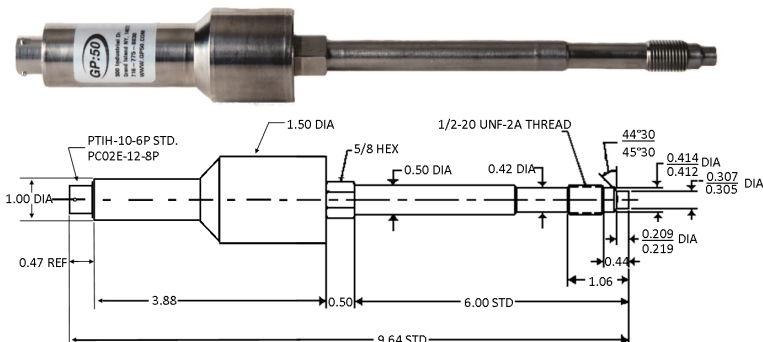


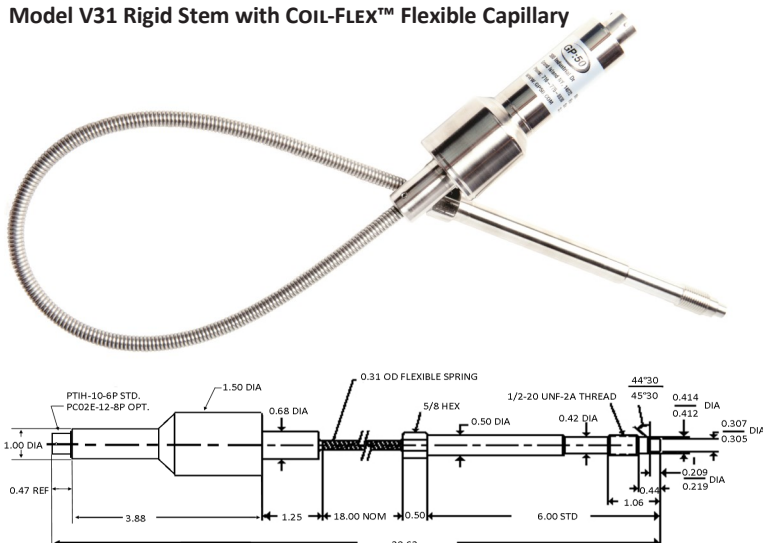
V-SERIES

PREMIUM ACCURACY MELT PRESSURE TRANSDUCER / TRANSMITTER MODELS V130, V131, V135 / V230, V231, V235 / V330, V331, V335

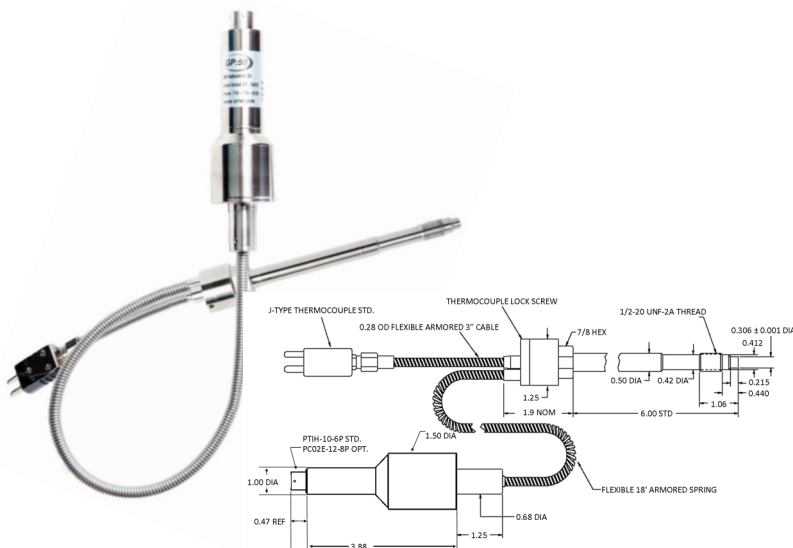
Model V30, Rigid Stem Only



Model V31 Rigid Stem with COIL-FLEX™ Flexible Capillary



Model V64 Combination Temperature and Pressure



A signature performance attribute of GP:50 Melt Pressure sensing instrumentation is its capability to maintain full service life performance accuracy. To ensure this, each transducer design incorporates a specialty tip diaphragm with a proprietary advanced matched system. This ensures that individual sensor components maintain structural integrity and maximum response. In addition, each GP:50 Melt Pressure sensor is manufactured from only the highest grade specialty metals. This approach ensures consistent sensor mechanical functionality with increased cycles. It also eliminates the unwanted effects of short-term hysteresis that are common to other industry models.

FEATURES

- ◆ Completely Welded Stainless Construction
- ◆ Interchangeable with existing sensors
- ◆ High-quality, superior electronics
- ◆ Vibration Protected Housing
- ◆ Auto Zero calibration option (200 & 300 units)
- ◆ Advanced diaphragm for increased cycles

PRESSURE RANGES

From 0-500 to 0-30,000 PSI

(see ordering guide)

ACCURACY

±0.25% Premium FSO

MADE IN THE U.S.A.

MODELS V130, V131, V135 / V230, V231, V235 / V330, V331, V335

SPECIFICATIONS

Full Scale Pressure Ranges	See ordering guide			
Accuracy	±0.25 % FSO Accuracy,			
Material in Contact with Pressure Media	17-4 PH Stainless Steel diaphragm with GPX coating, optional diaphragm materials available			
Proof Pressure	2 times the full scale pressure range up to 35,000 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		(V100 Models—3.33 mV/V)	(V200 Models—0-10 Vdc)	(V300 Models—4-20 mA)
	Excitation Voltage	3.5—15 Vdc	14—36 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 max, 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	80% ±5.0% FSO	
Connections	Pressure 1/2" - 20—UNF—2A	Electrical PTIH—10—6P standard, 8-pin and other connectors available		
Enclosed Materials	316 Stainless Steel			
Mounting Torque	180-200 inch pounds, 500 inch pounds thread limitation			

ORDERING GUIDE

MODEL: VX 3X—XX—XX / XX / XX / XX / XX / XX / XX

ELECTRICAL OUTPUT		TEMPERATURE SENSOR OPTIONS	
1	3.33 mV/V	AA	J-Type Thermocouple
2	0—10 Vdc	GU	K-Type Thermocouple
3	4—20 mA	JA	100 ohm RTD (3 wire)
		JD	Dual Thermocouple, J-Type std. (Mate not incl.)
BASE MODEL		CAPILLARY TUBE LENGTH	
0	Rigid Stem Only	AA	18 inch (457.2 mm) Flex
1	Rigid Stem / Flex	HS	9 inch (228.6 mm) Flex
5	Rigid Stem / Flex with Thermocouple	HY	12 inch (304.8 mm) Flex
PRESSURE RANGE		HV	24 inch (609.6 mm) Flex
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
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
SF	30,000 PSI	UC	2,000 BAR
SZ	_____ PSI Custom	SZ	_____ BAR Custom
FILL TYPES		RIGID STEM LENGTH	
AA	Mercury Fill	AA	6 inch (152.4 mm) Rigid Stem
QJ	NaK Fill (750°F Max)	HJ	1 3/16 inch (30.2 mm) Rigid Stem
GW	NaK Fill with Inconel Diaphragm (1000°F)	HD	3 inch (76.2 mm) Rigid Stem
GX9	ASF non-mercury fill	HU	4 inch (101.6 mm) Rigid Stem
		GO	9 inch (228.6 mm) Rigid Stem
		GN	12.5 inch (317.5 mm) Rigid Stem
CONNECTOR OPTIONS		DIAPHRAGM OPTIONS	
AA	6-Pin Bendix (PTIH-10-6P)	AA	17—4 SS GPX Coated Diaphragm
CC	8-pin Bendix (PCO2E-12-8P)	GK1	Inconel Diaphragm
CF	1/2" NPT (M) Thread with 36° Leads	GP	Hastelloy C-276 Diaphragm
CALIBRATION		NK	Reinforced Diaphragm
AA	Zero & Span	NL	Double Thick Diaphragm
AZ	AutoZero, 200 and 300 Models only	QS2	Titanium Nitride Coated Diaphragm

Other Options Available—Consult Factory / Authorized Distributor

Option "AA" denotes standard

Example P/N: V131-RZ-AA