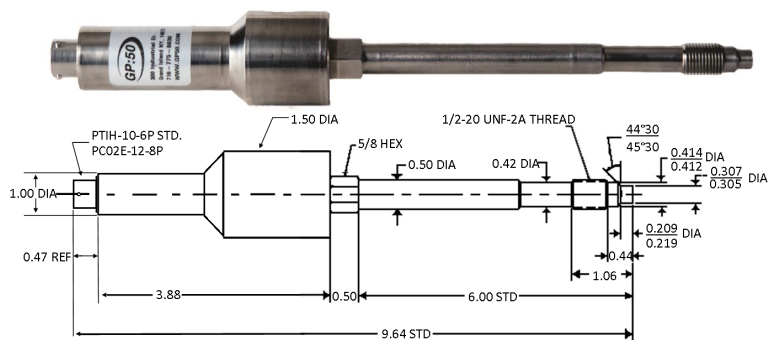


V-SERIES

STANDARD ACCURACY MELT PRESSURE TRANSDUCER / TRANSMITTER

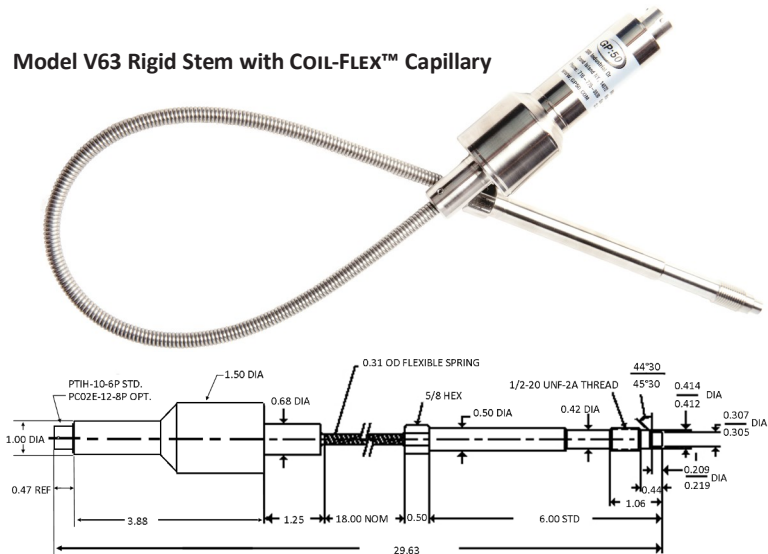
MODELS V162, V163, V164 / V262, V263, V264 / V362, V363, V364

Model V62, Rigid Stem Only



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.

Model V63 Rigid Stem with COIL-FLEX™ Capillary



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**

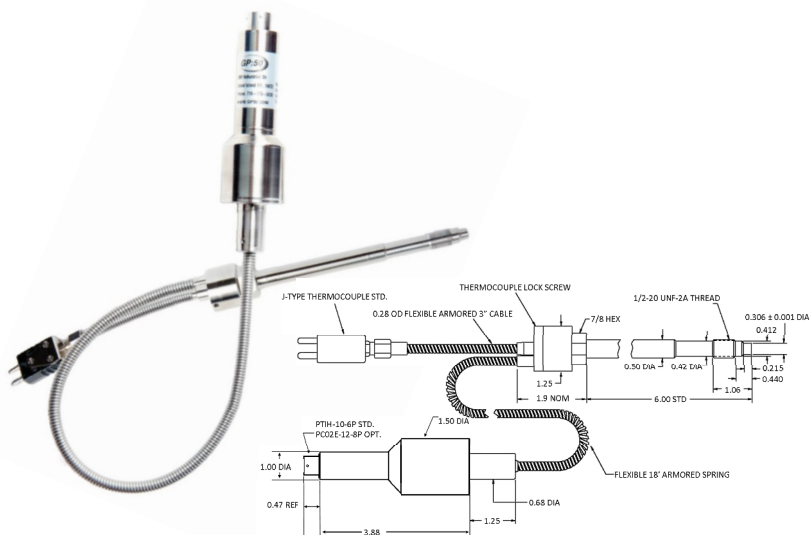
PRESSURE RANGES

From 0-500 to 0-30,000 PSI
(see ordering guide)

ACCURACY

±0.50% Standard FSO

Model V64 Combination Temperature and Pressure



MADE IN THE U.S.A.

MODELS V162, V163, V164 / V262, V263, V264 / V362, V363, V364

SPECIFICATIONS

Full Scale Pressure Ranges	See ordering guide			
Accuracy	±0.50% 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, other connections available	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 6X—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	
2	Rigid Stem Only	AA	18 inch (457.2 mm) Flex
3	Rigid Stem / Flex	HS	9 inch (228.6 mm) Flex
4	Rigid Stem / Flex with Thermocouple	HY	12 inch (304.8 mm) Flex
		HV	24 inch (609.6 mm) Flex
		GT	30 inch (762 mm) Flex
PRESSURE RANGE		RIGID STEM LENGTH	
RH	500 PSI	AA	6 inch (152.4 mm) Rigid Stem
RJ	600 PSI	HJ	1 3/16 inch (30.2 mm) Rigid Stem
RK	750 PSI	HD	3 inch (76.2 mm) Rigid Stem
RM	1,000 PSI	HU	4 inch (101.6 mm) Rigid Stem
RO	1,500 PSI	GO	9 inch (228.6 mm) Rigid Stem
RS	2,500 PSI	GN	12.5 inch (317.5 mm) Rigid Stem
RT	3,000 PSI		
RV	5,000 PSI		
RX	7,500 PSI		
RZ	10,000 PSI		
SB	15,000 PSI		
SF	30,000 PSI		
SZ	_____ PSI Custom		
FILL TYPES		DIAPHRAGM OPTIONS	
AA	Mercury Fill (750°F Max)	AA	17—4 SS GPX Coated Diaphragm
QJ	NaK Fill (750°F Max)	GK1	Inconel Diaphragm
GW	NaK Fill with Inconel Diaphragm (1000°F Max)	GP	Hastelloy C-276 Diaphragm
GX	Mineral Oil Fill (500°F Max)	NK	Reinforced Diaphragm
GX9	ASF Non-Mercury Fill (750°F Max)	NL	Double Thick Diaphragm
		QS2	Titanium Nitride Coated Diaphragm
CONNECTOR OPTIONS		CALIBRATION	
AA	6-Pin Bendix (PTIH-10-6P)	AA	Zero & Span
CC	8-pin Bendix (PCO2E-12-8P)	AZ	Auto Zero, 200 and 300 models only
CF	1/2" NPT (M) Thread with 36° Leads		

Example P/N: V163-RZ-AA