



FLANGE MOUNTED PRESSURE TRANSMITTER & TEMPERATURE PROBE

Models 335, 435 with FX, FY option



FEATURES:

- All-welded stainless steel construction
- State-of-the-art circuitry allows heavier diaphragm and increased fatigue life
- Standard options for every requirement
- HART Communication available (435)

PRESSURE RANGES:

- From 0-25 to 0-10,000 psig/25

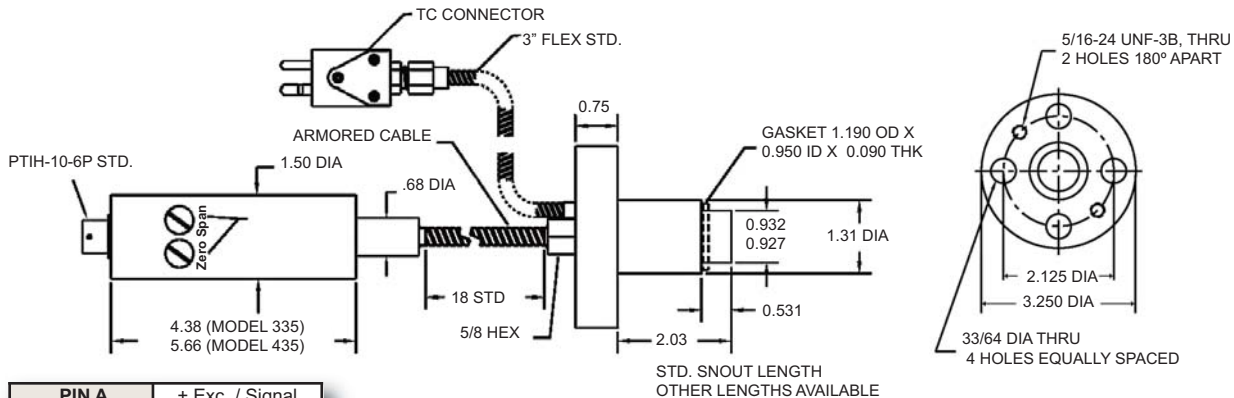
ACCURACY:

- 0.5% FSO standard, 0.25% FSO available
- 0.15% FSO available on Models 435%



PLASTIC MELT PRESSURE

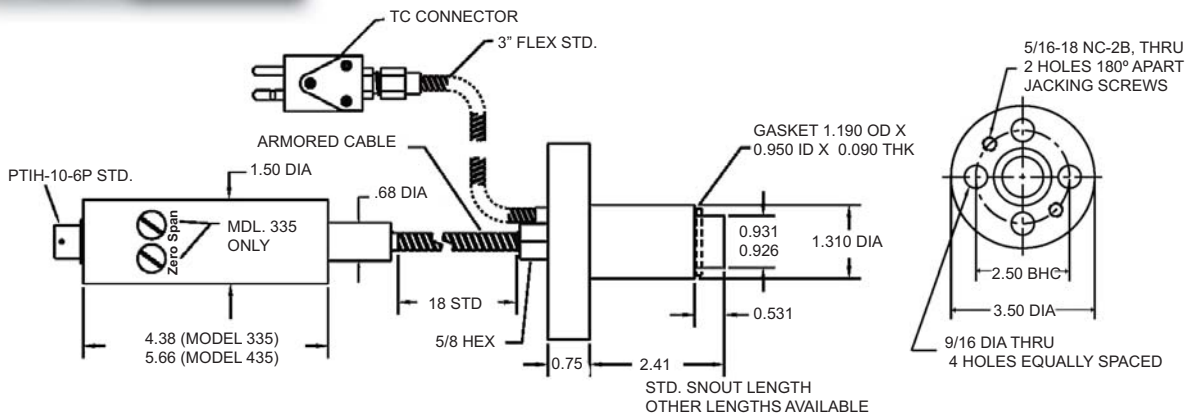
MODELS 335, 435 w/FX option



PIN A	+ Exc. / Signal
PIN B	- Excit. / Signal
PIN C	NO CONNECTION
PIN D	NO CONNECTION
PIN E	RCAL (OPTION)
PIN F	RCAL (OPTION)

MODELS 335, 435 w/FY option

Some options will affect dimensions. Consult factory if important.



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.

A5SL-35-FX-FY.00



Specifications reflect standard product, improved performance/mechanical options available. Modifications may alter specs, consult factory for more information.

Accuracy	Static Error Band (Non-linearity, Hysteresis, Non-repeatability, also includes Temperature effects for model 435) $\pm 0.5\%$ FSO (RSS) (335) $\pm 0.5\%$ FSO (RSS) ranges less than 500 psi (435) $\pm 0.2\%$ FSO (RSS) 500 through 3500 psi (435) $\pm 0.15\%$ FSO (RSS) 5000 through 30000 psi (435)	
Ranging (435 only)	3:1 25 through 2500 psi 5:1 3000 through 30000 psi	
Material in Contact with Pressure Media	316 stainless steel / 15-5 PH diaphragm, Armoloy coated (hard chrome) Diamond, Boron or Titanium Nitride coatings optional	
Proof Pressure	2 times full scale pressure range	
Temperature Limits	Diaphragm 600°F (315°C) Standard Fill Strain Gauge Housing 176°F (80°C)	
Temperature Effects	From Fill (335) Zero 2 psi/100°F at diaphragm From Strain Gauge Housing (335) Zero Less than $\pm 1.0\%$ FSO/100°F ($\pm 2.0\%$ FSO/100°C) Span Less than $\pm 1.0\%$ FSO/100°F ($\pm 2.0\%$ FSO/100°C) Fill & Housing (435) Included in accuracy	
Electricals	Excitation Voltage	Output at 70° F
(Model 335)	9-36 Vdc	4-20 mA $\pm 2\%$ FSO
(Model 435)	12-36 Vdc	4-20 mA $\pm 2\%$ FSO
Load Impedance	1350 ohms max. at 36 Vdc & 750 ohms at 24 Vdc	
(Model 335)	1200 ohms maximum, at 36 Vdc and 600 ohms at 24 Vdc	
(Model 435)		
Zero Balance	4.0 mA $\pm 5\%$ FSO at 70°F vertical tip down	
(Model 335)	4.0 mA $\pm 0.2\%$ FSO at 70°F vertical tip down	
(Model 435)		
Zero Pot. Adjustment (335)	+ 10% - 80% FSO on ranges below 500 psi	
Span Pot. Adjustment (335)	$\pm 20\%$ FSO on ranges above 500 psi	
Connections	Pressure 3.5" OD Flange, 3.25" OD Flange (see ordering guide) Electrical PTIH-10-6P connector Thermocouple Standard 2 pole, 7/16" pin spacing	
Enclosed Materials	316 stainless steel	
Mounting Torque	110 inch pounds, maximum	
Identification	Etched stainless steel nameplate welded to body.	

ORDERING GUIDE:

Use the following codes to identify desired item.

MODEL	RANGE	OPTIONS
•	+	•/•/•

Example: 331X-PO-FY

MODEL					
330X, 331X	4-20 mA				
430X, 431X	4-20 mA / Hart				
PRESSURE RANGE (PSI)					
PO	25	RJ	600	UL	2
PT	30	RK	750	UM	3
PV	50	RM	1000	UN	5
PX	75	RO	1500	UP	7.5
PZ	100	RR	2000	UQ	10
RB	150	RS	2500	UR	15
RD	200	RT	3000	US	20
RE	250	RV	5000	UT	30
RF	300	RX	7500	UV	50
RH	500	RZ	1000	UX	75
				SZ	Non-Stand. Pressure Range or Engineering Units

OPTIONS

CF	1/2" NPT(M) thread with 72" leads for conduit connection
GENERAL	
GB	Alternate Electronic Output - specify zero and span output values
MD	Zero and Span Controls, 330X, 331X only. (Span adjustment $\pm 20\%$ FSO, Zero adjustment +10% - 80% FSO for ranges below 500 psi, Zero adjustment $\pm 20\%$ FSO for ranges 500 psi and up)
GP	Hastelloy C-276 Diaphragm and Nose
QS	Diamond coating
GV	Silicone Oil Fill. (Increases Thermal Shift) Consult factory, 600°F max
GX	Mineral Oil Fill. (Increases Thermal Shift) Consult factory, 600°F max
GZ	Customer Special
FX	3.25" Flange (2.03 Standard Snout Length)
FY	3.50" Flange (2.41 Standard Snout Length)
ME	Internal Calibration Resister set to 80% $\pm 0.5\%$ FSO
JA	100 ohm 3 wire RTD (models 430X, 431X only)
RIGID STEM (330X, 430X)	
GN	12.5" Rigid Stem
GO	9" Rigid Stem
HU	4" Rigid Stem
MU	Non-Standard Rigid Stem
FLEX TUBING (331X, 431X, 18" Standard)	
GT	30" Armored Capillary Tube
HS	9" Armored Capillary Tube
HV	24" Armored Capillary Tube
HY	12" Armored Capillary Tube
MT	Non-Standard Flex Tube, Specify Length
SNOUT LENGTH	
MU	Non-Standard Snout Length, Specify