



**MELT PRESSURE
TRANSDUCERS & TRANSMITTERS**
2770 Long Road, Grand Island, NY 14072 USA
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Product Specification Sheet
TRANSDUCER/TRANSMITTER & TEMPERATURE PROBE
Models 135, 235, 335



***REFER TO APPENDIX A
FOR WIRING CODES***

FEATURES:

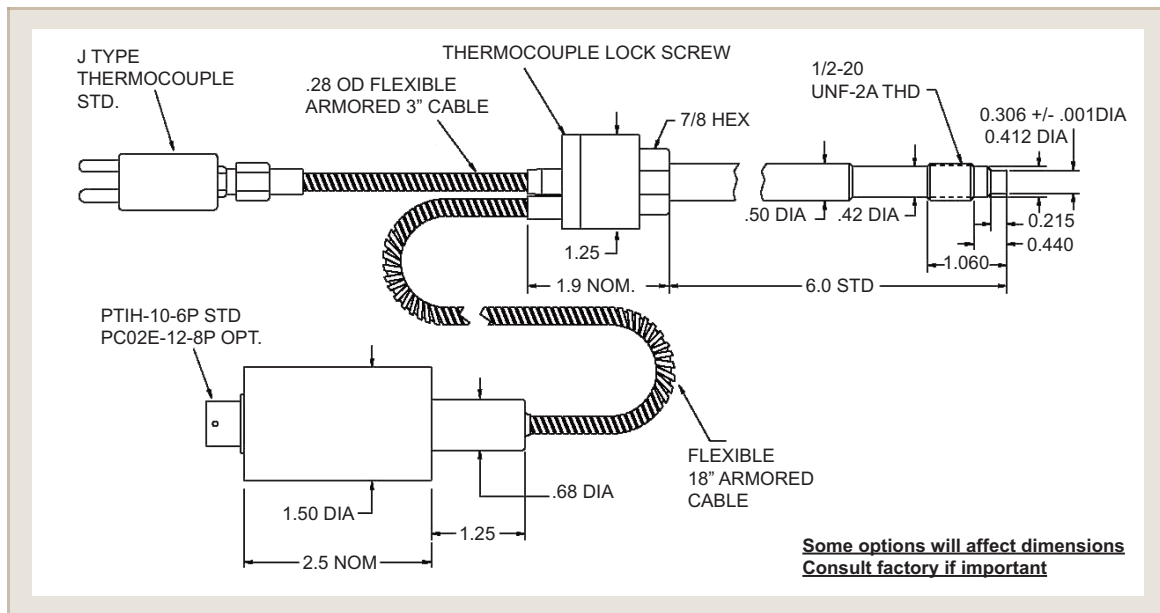
- Pressure and temperature measurement from a single mounting well
- Rugged, all-welded, all stainless steel construction
- Interchangeable with existing systems
- Adjustable calibration signal option
- Replaceable thermocouple during use (Type J std.)
- Internal Calibration Resistor set to 80% $\pm 0.5\%$ FSO
- Zero and Span controls, approximately $\pm 20\%$ FSO (235, 335 only)

PRESSURE RANGES:

- From 0-500 through 0-30,000 psi
(See ordering guide)

ACCURACY:

- (Non-Linearity, Hysteresis, Non-repeatability).
- $\pm 0.25\%$ FSO, RSS (0-5000 psi & higher)
- $\pm 0.5\%$ FSO, RSS (0-500 and 0-3500 psi).



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.



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

Material in Contact with Pressure Media	15-5 PH Stainless steel and chrome plated diaphragm surface.	
Proof Pressure	2 times full scale pressure range or 35,000 psig whichever is less	
Temperature Limits	750°F (400°C), 1000°F available w/ NaK fill	
Diaphragm		
Strain Gauge Housing	176°F (80°C)	
Temperature Effects	15PSI/100°F	
From Diaphragm		
From Strain Gauge Housing		
Zero	Less than ± 1.0% FSO/100°F (± 2.0% FSO/100°C)	
Span	Less than ± 1.0% FSO/100°F (± 2.0% FSO/100°C)	
Electricals	Output at 70° F	
Excitation Voltage		
(Model 135)	3.5-15 Vdc	(Model 135) 3.33 mV/V ± 2%
(Model 235)	9-40 Vdc	(Model 235) 5.0 Vdc ± 2%
(Model 335)	9-36 Vdc	(Model 335) 4-20 mA ± 2%
Zero Balance		
(Model 135)	0.0 mV/V ± 5% FSO at 70°F	
(Model 235)	0.0 Vdc ± 2% FSO at 70°F	
(Model 335)	4.0 mA ± 2% FSO at 70°F	
Input Impedance	Load Impedance	
(Model 135)	350 ohm, nominal	50,000 ohms minimum for less than 0.1% FSO attenuation.
(Model 335)		1350 ohms max. at 36 Vdc & 750 ohms 24 Vdc
Input Current	Output Current	
(Model 235)	8 mA nominal	2.0 mA maximum for less than 0.1% FSO attenuation.
Range Ca. Signal	80% ± 0.5% FSO standard	
Signal Connector	PTIH-10-6P, standard Mate PT06A-10-6S (SR), not included	
Thermocouple Connector	Standard 2 pole, 7/16" pin spacing	
Pressure Connection	1/2" - 20UNF - 2A thread for standard extruder pressure port	
Mounting Torque	500 inch pounds, maximum	

MODEL		
135	3.33 mV/V	
235	5 Vdc	
335	4 - 20 mA	
PRESSURE RANGE (PSI)		
RH 500	RX 7500	
RK 750	RZ 10000	
RM 1000	SB 15000	
RO 1500	SD 20000	
RT 3000	SF 30000	
RV 5000	SZ Other	
(BAR)		
UV 50	VD 500	
UX 75	VE 700	
UY 100	UA 1000	
VA 200	UH 1400	
VC 350	UC 2000	

OPTIONS	AA None (standard connector PTIH-10-6P)
ALTERNATE CONNECTOR OR CABLE	
CC	Bendix PC02E-12-8P, [Mate: PC06A-12-8S-(SR), not included]
CD	Cannon WK6-32S, [Mate: WK6-21C, not included]
CF	1/2" NPT(M) thread with 36" potted leads
CZ	Alternate Connector/ Cable/ Other

ALTERNATE PRESSURE PORT	
FB	M18 X 1.5 Metric Thread
FG	M14 X 1.5 Metric Thread
FZ	Non-Standard Pressure Port

GENERAL	
GB	Alternate Electronic Output Specify Zero and Span output values
GP	Hastelloy C-276 Diaphragm & Threads
GQ	Boron-Hardened diaphragm
GU	Type K Thermocouple
QJ	NaK Fill for 750°F max. applications
GW	NaK Fill with Inconel diaphragm and stem for 1000°F max. applications
GV	Silicone Oil Fill (Increases thermal shift) Consult factory
GX	Mineral Oil Fill (Increases thermal shift) Consult factory
GZ	Customer Special
JL	Adjustable Shunt Calibration
JW	Titanium Nitride-Coated Diaphragm & Threads
MO	Gentran Wiring
MP	Barber-Colman Wiring
JA	Removable 100 ohm 3 wire RTD
QB	Custom Nameplate

RIGID STEM	
GN	12.5" Rigid Stem
GO	9" Rigid Stem
HD	3" Rigid Stem
HJ	1 3/16" Rigid Stem
HT	24" Rigid Stem
HU	4" Rigid Stem

FLEX TUBING	
GT	30" Armored Capillary Tube

ORDERING GUIDE

Use the following codes to identify desired item.

MODEL	RANGE	OPTIONS
•	—	•/•/•

Example: 335-RZ-CC/GU