

HIGH PRESSURE TRANSDUCER/TRANSMITTER

Models 112, 212, 312



FEATURES:

- Rugged. All-welded, encapsulated electronics
- Leakproof. Integral pressure cavity and sensor
- Many standard easy-to-order options

PRESSURE RANGES:

- From 0-20,000 psi to 0-150,000 psi
- From 0-1500 psi to 0-10,000 bar
(See ordering guide)

ACCURACY:

- Accuracies to 0.2% FSO (RSS) (non-linearity, hysteresis, non-repeatability)

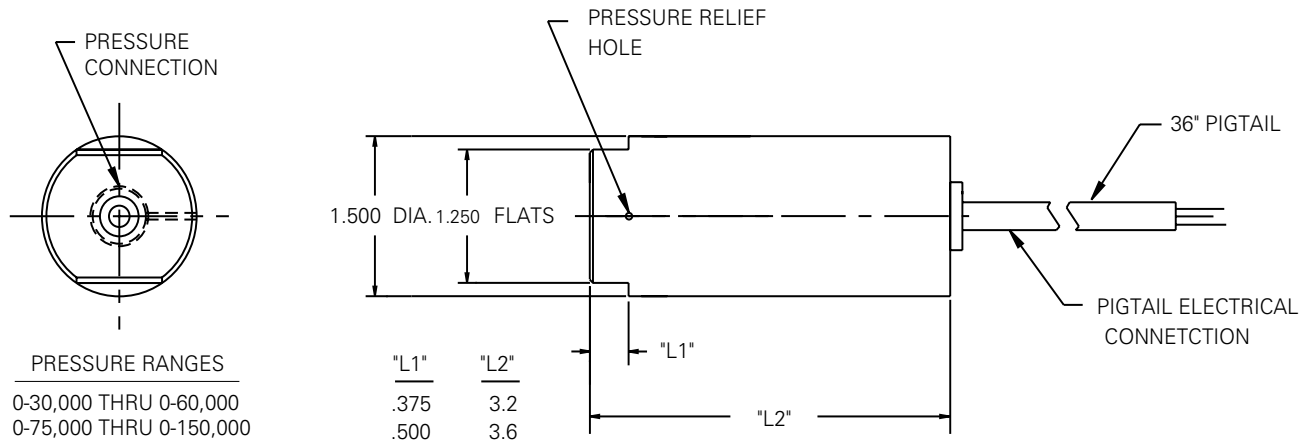
MODEL	OUTPUT @ 70° F	EXCITATION
112	3.0 mV/V* $\pm 2\%$ FSO	3.5-15 Vdc
212	5.0 Vdc $\pm 2\%$ FSO	9-40 Vdc
312	4-20 mA $\pm 2\%$ FSO	9-40 Vdc
312Z	FM Intrinsically Safe See Model 311Z for layout	9-36 Vdc

*5000 ohm bridge with amplified output

OUTLINE



Some options will affect dimensions.
Consult factory if important.



WIRING CODE

	112	212	312
A/1 Red	+ Excit.	+ Excit.	+ Excit./Signal
B/2 Green	+ Signal	+ Signal	NC
C/3 White	- Signal	NC	NC
D/4 Black	- Excit.	- Excit./Signal	- Excit./Signal
E/5 Blue	NC Option GH	NC Option GH	NC Option GH
F/6 Brown	NC Option GH	NC Option GH	NC Option GH
Shield	Open	Open	Open

ORDERING GUIDE

Some options will affect dimensions.
Consult factory if important.

Use The Following Codes To Identify Desired Item.

MODEL	ACCURACY	RANGE	OPTIONS			
•	—	•	—	•	—	•/•/•

Example
212-SH-CA/GJ

MODEL

112 3 mV/V
212 0-5 Vdc
312 4-20 mA
312Z 4-20mA, consult factory
for approved options

SERIES

B 0.5% FSO
C 0.2% FSO

PRESSURE RANGE

	psi		bar
SD	20,000	UB	1500
SF	30,000	UC	2000
SH	50,000	UD	3000
SK	75,000	UE	5000
SM	100,000	UF	7500
SO	150,000	UG	10,000
SZ	Non-standard		

OPTIONS

AA - None (standard connector)

ALTERNATE CONNECTOR OR CABLE

CA Bendix PTIH-10-6P (Mate PT06E-10-6S [SR], not supplied)
CB Bendix CF3102E-14S-6P (Mate CF3106E-14S-6S, not supplied)
CC Bendix PCO2E-12-8P (Mate: PCO6A-12-8S [SR] not supplied)
CD Cannon WK6-32S (Mate WK6-21C not supplied)
CE Terminal Block
CF 1/2" NPT Male Thread with 24" potted leads
CG MS3102A-14S-6S (Mate: MS3106F-14S-6P not supplied)
CJ DIN 43650 (includes mate)
CO Junction Box (thermocouple) and terminal block
CZ Alternate Connector/Cable/Other

GENERAL

GA Standardized FSO = (Full scale reading) - (Zero Reading)
 $\pm 0.5\%$ FSO
GB Alternate Electronic Output (Specify Zero and Span output values.)
GE Improved Temperature Compensation to $\pm 0.5\%$ FSO/100°F for Zero and Span respectively, from 0° F to 180° F.
GF Expanded Temperature Range, -65 to +250°F (Compensated to $\pm 2.0\%$ FSO/100°F).
GG Alternate shunt calibration signal (specify percentage FSO)
GH Internal shunt calibration resistor, set to 100% $\pm 0.5\%$ FSO
GJ Add Zero and Span Controls. (Approximately $\pm 20\%$ FSO adjustment)
GS 0-10 Vdc FSO, Model 212
HE $\pm 0.5\%$ FSO zero balance
HL RFI Protection (for unit in proximity to radio transmitter)
HR ± 15 Vdc Excitation, Model 212
GZ Customer special