

# SUBMERSIBLE/LEVEL PRESSURE TRANSMITTER

**Models 113, 213, 313**

## FEATURES:

- All welded, stainless steel construction
- Rugged, all encapsulated electronics
- Leakproof
- Many options to solve your problems

## PRESSURE RANGES:

- From 0-15 to 0-500 psi  
(see ordering guide)

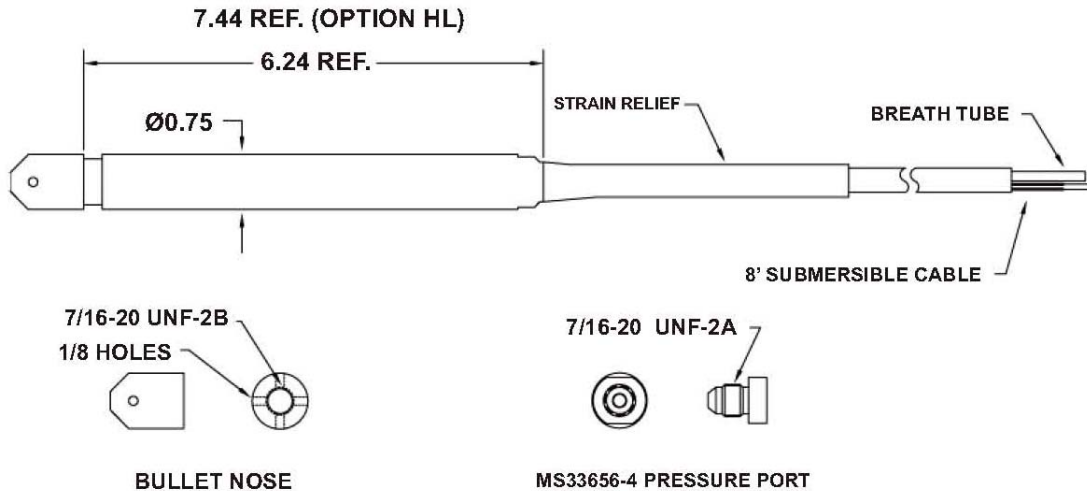
## ACCURACY:

- From 0.2% FSO to 1.0% FSO  
(see specifications & ordering guide)

Standard



With Option LJ tapered inlet with stand off plate



Some options will affect dimensions. Consult factory if important.

## WIRING CODE

	113	213	313
RED	+ EXC.	+ EXC.	+ EXC./SIGNAL
GREEN	+ SIGNAL	+ SIGNAL	NC
WHITE	- SIGNAL	NC	NC
BLACK	- EXC.	- EXC./SIGNAL	- EXC./SIGNAL
BLUE	CALIBRATE	NC OPTION GH	NC OPTION GH
BROWN	CALIBRATE	NC OPTION GH	NC OPTION GH
SHIELD	OPEN	OPEN	OPEN

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-13.00



# Pressure, Level & Temperature Transmitters & Transducers

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

<b>Accuracy</b>	<b>(Static error band includes non-linearity, hysteresis, non-repeatability)</b> Series A: ±1.0% FSO (RSS) Series B: ±0.5% FSO (RSS) Series C: ±0.2% FSO (RSS)		
<b>Materials in contact with Measured fluids*</b>	Type 316 & Inconel or 316 sensor stainless steel		
<b>Temperature Limits*</b>	Compensated: 0°F to +140°F Operating: (Model 113, 213, 313) -40°F to +150°F		
<b>Temperature Compensation*</b>	Zero: Less than ±2.0% FSO/100°F Span: Less than ±2.0% FSO/100°F		
<b>Electricals</b>	<b>(Model 113)</b>	<b>(Model 213)</b>	<b>(Model 313)</b>
Excitation	3.5-15 Vdc	10.5-42 Vdc	9-36 Vdc
Output at 70°F	3 mV/V ±2% FSO	0-5.0 Vdc ±2% FSO	4-20 mA ±2% FSO
Input Impedance	5000 ohms, nominal		
Load Impedance		50,000 ohms minimum, for less than 0.1% FSO attenuation	
Input Current		8 mA, nominal.	
Output Current		2.0 mA, maximum for less than 0.1% FSO attenuation	
Load Impedance			1350 ohms maximum at 36 Vdc & 750 ohms maximum at 24 Vdc
<b>Zero Balance</b>	0.0 mV/V ±2% FSO at 70°F	0.0 mVdc ±2% FSO at 70°F	4.0 mA ±2% FSO at 70°F
<b>Range Calibration Signal*</b>	Resistance value provided on calibration card for 100% FSO	See option GH	See option GH
<b>Insulation Resistance Resolution</b>	Greater than 10 megaohms at 50 Vdc and 70°F Infinite		
<b>Mechanicals</b>	Proof Pressure: 1.5 times full scale pressure Burst Pressure: 5 times full scale pressure External Pressure: 500 psi maximum Case Materials: Type 316 stainless steel Weight: 2.5 oz nominal		
<b>Identification</b>	Stainless steel name plate welded to body		
<b>Connections</b>	Pressure*: PVC bullet nose Electrical*: Cable: Molded polyurethane jacket, 6 conductor with breather tube, 8' long		

\* See modifications on ordering guide.

## ORDERING GUIDE:

MODEL	SERIES	RANGE	PRESSURE TYPE	OPTIONS
●	—	●	—	●/●/●

### MODEL

113 3 mV/V  
213 5 Vdc  
313 4-20 mA

### SERIES

A 1.0% FSO  
B 0.5% FSO  
C 0.2% FSO

### PRESSURE RANGE (PSI)

PP 15	PX 75	RF 300
PR 20	PZ 100	RH 500
PO 25	RB 150	SZ Other
PT 30	RD 200	
PV 50	RE 250	

### PRESSURE TYPE

2 Gauge  
6 Sealed Gauge  
8 Elevated

Example: 313-B-PZ-2-LJ

### OPTIONS

AA None (standard connector)

### ALTERNATE PRESSURE PORT

FH 1/8" NPT (F)  
FL 1/8" NPT (M)  
LD Tapered inlet  
LJ Tapered inlet with standoff plate

### GENERAL

CT Tefzel jacketed cable  
GA Standardized output to ±0.5% FSO.  
GB Alternate output, pressure units, or full scale outputs that are non-standard.  
GE Improved temperature compensation to ±0.5% FSO unless otherwise specified.  
GG Alternate calibration signal.  
GH Internal calibration resistor set to 100 ±0.5% FSO unless otherwise specified.  
GS 0-10 Vdc FSO, Model 213 (Requires 16-32 Vdc excitation)  
GY Type 316 stainless steel pressure cavity.  
JH Remote cable mounted (in-line) zero and span controls. 3' cable on open side. Length of cable on closed side as required. (500' maximum) Model 313 only.  
GZ Customer special.

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