

# EXG Series



Explosion Proof Pressure Transmitter

## *Certified for Hazardous Locations*

### **Explosion Proof approved for hazardous locations**

Dylix's EXG Series Pressure Transmitter is designed and approved for use in hazardous locations. The EXG's entirely welded 316L SST & 17-4 construction is hermetically sealed, making it ideal for the worst pressure applications. CSA/CUS Explosion Proof certified for Class I Div. 1 and Class I Div. 2 Groups A, B, C, D.

### **Manufactured for reliable service in aggressive environments**

The EXG is manufactured for reliability in aggressive environments where other transmitters fail. Dylix's automated weld procedures, extreme environmental burn in, and the mounting of our electronics to withstand the most severe shock and vibration applications are all geared toward safety and reliability. Additional EMI/RFI filtering with surge protection add to the performance of the EXG.

### **Alternate materials for service in corrosive environments**

For corrosive environments where 316L or 17-4 SST are not best suited, the EXG is also available with Hastelloy C276, C22 or Inconel 718 machining capabilities.

### **Dylix's Customer Service**

Each EXG transmitter is shipped with a NIST traceable calibration certificate.



Various cable lengths available

Alternative materials available

### **Standard Features**

- ◆ Hermetically Sealed Package
- ◆  $\pm 0.25\%$  FSO Static Accuracy
- ◆ 0-100 psi through 0-25,000 psi

### **Available Options**

- ◆  $\pm 0.1\%$  FSO Static Accuracy
- ◆  $\pm 0.5\%$  FSO Thermal Error Band
- ◆ Alternate wetted materials
- ◆ Low Power



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# EXG Series Pressure Transmitter



0-100 through 0-25K psi  
Explosion Proof Pressure Transmitter

## Product Specifications

### Electrical

Excitation	
EXG1	2-15 Vdc
EXG2 & EXG3	10-38 Vdc*
Output	
EXG1	1-2 mV/V*
EXG2	0-5 Vdc*
	<i>(For 1-5 Vdc use Option Code: D07)</i>
EXG3	4-20 mAdc
Zero Balance	≤ 1% FSO
FSO Setting	≤ 1% FSO
Resolution	Infinite (0.001% FSO usable)
Response Time	
EXG1	< 3 mS
EXG2 & EXG3	< 5 mS
Insulation Resistance	1,000 M Ω at 50 Vdc
Reverse Polarity	Protected
Warm-up	< 10 mS
Power Supply Effect	≤ ± .002% per V input
EMI/RFI	Internal Filtering (EXG2 & EXG3)
Short Circuit Protected	Up to 40 Vdc

### Mechanical

Pressure Ranges	0-100 through 0-25K psi (Customer may specify any range/eng. unit ) (Absolute, vacuum & compound are available options)
Proof Pressure	2X Full Scale*
Burst Pressure	5X Full Scale*
Materials	
Wetted parts	316 & 17-4 SST*
Non-Wetted parts	316L SST
Pressure Port	1/4" NPT (Female)*
Electrical Connector	1/2" NPT (Male) conduit cable exit with 24" of cable*
Dimensions	Per outline below

### Environmental

Compensated Temp Range	0 to 170° F
Operating Temp Range	-40 to 200° F
Storage Temp Range	-40 to 250° F

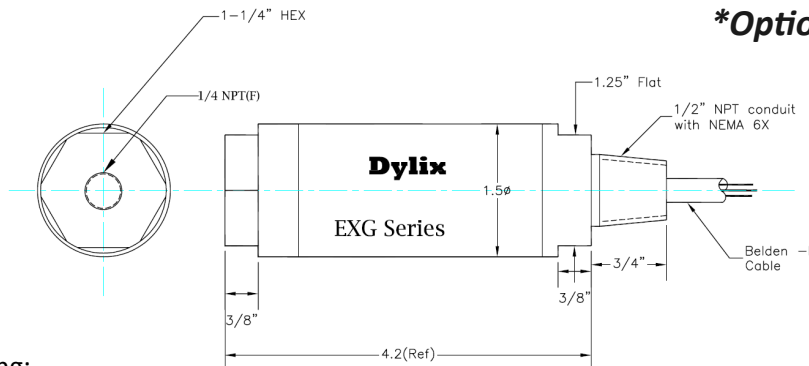
### Performance

Static Accuracy	≤ ± 0.25% FSO* (BFSL, RSS) <i>(Combined effects of non-linearity, hysteresis &amp; repeatability)</i>
Repeatability	≤ ± 0.1% FSO
Temperature Effects	≤ ± 1.5% FSO over comp range* <i>(Combined effects of Zero &amp; FSO with reference at 70° F)</i>
Long Term Stability	≤ ± 0.25% FSO per year

### Certifications

CSA/CUS Explosion Proof Class I Div. 1 Groups A, B, C, D  
CSA/CUS Explosion Proof Class I Div. 2 Groups A, B, C, D  
Master Contract Number: 229278  
Certificate Number: 1658325

### \*Options Available



### Standard Wiring:

Model	Output	+ Power	- Power	+ Signal	- Signal	Case Ground
EXG1	mV/V dc 4 wire	Red	Black	Green	White	Tinned Wire
EXG2	0-5 (10) Vdc 3 wire	Red	Black	Green		Tinned Wire
EXG3	4-20 mAdc 2 wire	Red		Black		Green

Dylix Corporation reserves the right to change specifications without prior notification. Please contact the factory for the latest revision.

Data Sheet EXG-07 Rev B