

Explosion Proof Pressure Transmitter EXG Series



Certified for Hazardous Locations

Design and Application

Dylix's EXG Series Pressure transmitter is designed and approved for use in hazardous locations. All welded, hermetic 316L & 17-4 ss construction makes it ideal for the most demanding pressure applications, with built-in EMI/RFI filtering and high voltage surge suppression. CSA/CUS Explosion Proof certified for Class 1 Div 1 & 2, Groups A, B, C, D.

For corrosive environments where 316 and 17-4 ss wetted parts are not suited, Hastelloy C276, C22 and Inconel 718 are available.

Manufacturing and Quality

The EXG is manufactured for reliability in aggressive environments where other transmitters fail. It is built using an advanced modular assembly process that allows high customization and short delivery times.

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.

Dylix's Customer Service

Each EXG transmitter is shipped with a NIST traceable calibration certificate. Annual re-calibration and repair/refurbishment services are available.

Standard Features

- $\leq \pm 0.25\%$ FSO Static Accuracy
- Hermetically sealed construction
- 0-100 thru 0-25,000 psi ranges

Optional Features

- $\leq \pm 0.1\%$ FSO Static Accuracy
- $\leq \pm 0.5\%$ FSO Thermal Error Band
- Alternate Wetted Materials
- Low Power
- Intrinsically Safe

**Contact Dylix Sales for
Other Custom Applications...**
sales@dylixcorp.com • 716.773.2985

Specifications: EXG Series

Explosion Proof Pressure Transmitter

0-100 through 0-25K psi

Baseline Configuration Specs Represented.
Modifications Encouraged - See Below
Custom Designs Available

Electrical

Excitation

EXG1	2-15 Vdc
EXG2, EXG3, EXG7	10-38 Vdc*

Output

EXG1	1-2 mV/V*
EXG2	0-5 Vdc*
	(For 1-5 Vdc use Option Code: E14)
EXG3	4-20 mAdc
EXG7	4-20 mAdc Intrinsically Safe

Zero Balance

≤ 1% FSO

FSO Setting

≤ 1% FSO

Resolution

Infinite (0.001% FSO usable)

Response Time

EXG1	< 3 mS
EXG2, EXG3, EXG7	< 5 mS

Insulation Resistance

1000 M Ω at 50 Vdc

Reverse Polarity

Protected

Warm-up

< 10 mS

Power Supply Effect

± 0.002% FSO per V input
(EXG2, EXG3, EXG7)

EMI/RFI

Internal Filtering (EXG2, EXG3, EXG7)

Short Circuit Protected

40 Vac (EXG2, EXG3, EXG7)

Mechanical

Pressure Ranges

0-2K through 0-5K psid
(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 ss*
Non-Wetted Parts	316L ss

Pressure Port ¼" NPT (Female)*

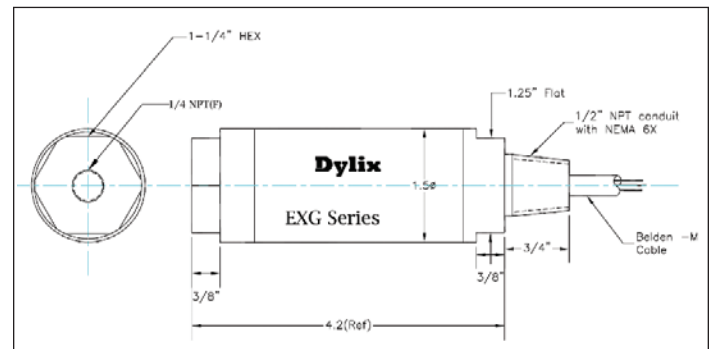
Electrical Connector

½" NPT (Male) conduit cable exit
with 24" of cable*

Dimensions

Per Drawing

Product Dimensions (inches)



Performance

Static Accuracy

± 0.25% FSO* (BFSL, RSS)*
(Combined effects of non-linearity,
hysteresis & repeatability)

Repeatability

± 0.1% FSO

Temperature Effects

± 1.5% FSO over comp range*
(Combined effects of Zero & FSO
with reference at 70° F)

Long Term Stability

± 0.25% FSO per year

Environmental

Compensated Temp Range

0° to 170° F

Operating Temp Range

-40° to 200° F

Storage Temp Range

-40° to 250° F

Certifications

CSA/CUS Intrinsically Safe Class I Div. 1 Groups A,B,C,D T4

CSA/CUS Intrinsically Safe Zone 0,1&2 (A)Ex ia IIC T4 Ga

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	Black	Tinned Wire
EXG3	4-20 mAdc 2 wire	Red		Black		Green
EXG7	4-20 mAdc 2 wire	Red		Black		

*Options Available

Modifications and Warranty

MODIFICATIONS: Transducer/Transmitter applications vary greatly. As such our designs are flexible. Choices such as pressure ports, electrical termination, material compatibility, and performance are a few of the many options available. Specifications on this datasheet represent standard configuration only. Product and company names that may be listed are trademarks of their respective companies. Any and all specifications subject to change without notice.

WARRANTY: Dylux Corporation warrants that its product shall be free from defective workmanship and/or material for a twelve month period from the date of shipment, provided that Dylux Corporation's obligation shall be limited to correcting any defective material. FOB our factory. No allowance will be made for any expenses incurred for correcting any defective workmanship and/or material without written consent by Dylux Corporation. This warranty is in lieu of all other warranties expressed or implied.

Due to the nature of technology, changes are inevitable.
For latest technical specifications, see our website.



A US Designer and Manufacturer of
Pressure Transducers & Transmitters

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