

# GXR Series

## Gage/Absolute Pressure Transmitter

**Dylix**<sup>®</sup>  
Corporation

### *General Process Pressure Measurement*

#### **Designed for hazardous locations**

Dylix's GXR Series Pressure Transmitter is designed for use in hazardous locations. The GXR's entirely welded 316LSST construction is hermetically sealed, and Factory Mutual and Canadian Standards Association Explosion Proof certification are pending.

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

The GXR 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 GXR.

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

For corrosive environments where 316L or 15-5 SST are not best suited, the GXR is available in Hasteloy C276, C22 or Inconel 718.

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

Each GXR transmitter is shipped within 1-2 weeks ARO with a NIST traceable calibration certificate.

Hart Protocol Available



Shown with optional 1/2"- NPT conduit

#### **Standard Features**

*Hermetically Sealed Package  
±0.25% FSO Static Accuracy  
0-3 psi through 0-20,000 psi  
Low Cost; Starting @ \$220.00*

#### **Available Options**

*±0.1% FSO Static Accuracy  
±0.5% FSO Thermal Error Band  
Hasteloy or Inconel alt. materials  
Low power*

Dylix Corporation  
347 Lang Blvd.  
Grand Island, NY 14072 USA

*Design & Manufacture of  
Pressure Instruments*

www.dyluxcorp.com  
P 716.773.2985  
F 716.773.2786

# GXR Series Pressure Transmitter



0-3 psi through 0-20k psi  
Low Cost General Process Transmitter

## Product Specifications

### Electrical

Excitation	
GXR1	2-15 Vdc
GXR2 & GXR3	8-38 Vdc*
Output	
GXR	1-2 mV/V*
GXR2	0-5 Vdc*
GXR3	4-20 mAdc
Zero Balance	$\leq \pm 1\%$ FSO
FSO Setting	$\leq \pm 1\%$ FSO
Resolution	Infinite ( $\pm .001\%$ FSO usable)
Response Time	
GXR1	< 1mS
GXR2 & GXR3	< 5 mS
Insulation Resistance	1000 M $\Omega$ @ 50 Vdc
Reverse Polarity	Protected
Warm-up	< 10 mS
Power Supply Effect	$\leq \pm .002\%$ FSO per V input (GXR2 & GXR3)
EMI/RFI	Internal Filtering (GXR2 & GXR3)
Short Circuit Protected	Up to 40 Vdc (GXR2 & GXR3)

### Mechanical

Pressure Ranges	0-3 through 0-20k psi (Customer may specify any range/eng. unit FOC) (Absolute, vacuum, compound available options)
Proof Pressure	2X Full Scale*
Burst Pressure	5X Full Scale*
Materials	
Wetted Parts*	316 & 15-5 SST*
Non-wetted Parts	316 SST plus electrical connector*
Pressure Port	1/4" -NPT Female*
Electrical Connector	NEMA 4X cable exit with 24" of cable*
Dimensions	per outline below
Weight	nominal 15 oz

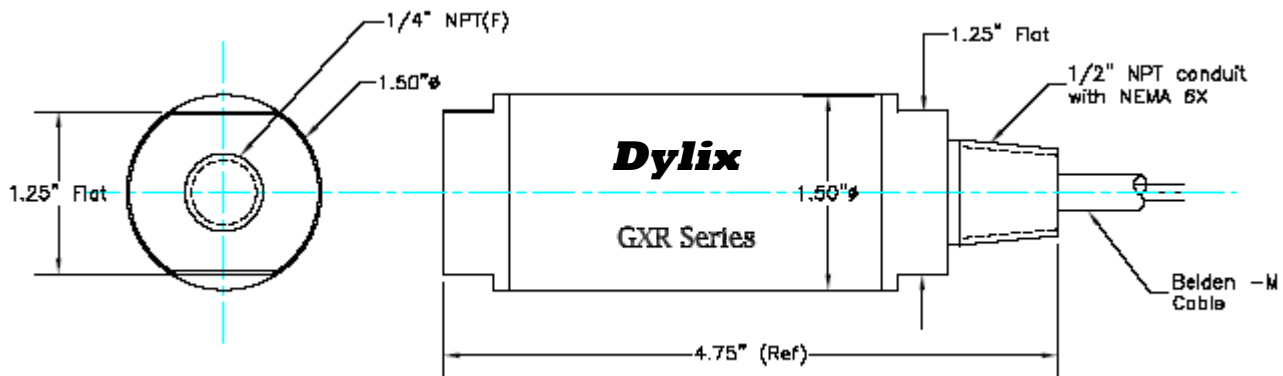
### Environmental

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

### Performance

Static Accuracy	$\leq \pm 0.25\%$ FSO* (BFSL, RSS)* (combined effects of non-linearity, hysteresis, & repeatability)
Repeatability	$\leq \pm 0.05\%$ FSO
Temperature Effects	$\leq \pm 1.5\%$ FSO over comp range* (combined effects of zero & FSO with reference at 70 °F)
Long Term Stability	$\leq \pm 0.25\%$ FSO per year

### \* Options Available



### Standard Wiring:

Model	Output	+Power	-Power	+ Signal	- Signal
GXR1	mV/V dc 4 wire	Red/Pin 1/Pin A	Black/Pin2/PinB	Green/Pin3/PinC	White/Pin4/PinD
GXR2	0-5 (10) Vdc 3 wire	Red/Pin 1/Pin A	Black/Pin2/PinB	Green/Pin3/PinC	+ Sig ref to - Power
GXR3	4-20 mAdc 2 wire	Red/Pin 1/Pin A		Black/Pin2/PinB	

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

Data Sheet GXR-07 Rev A