

GX Series

Industrial Pressure Transmitter



High Value Pressure Measurement Solution

Designed for performance/cost at single piece quantities

The GX Series Pressure Transducer is designed to provide our customers with an economical solution to their industrial pressure measurement needs. Key feature of the sensing element is its isolation from induced stresses such as mounting torque, thermal excursions, and vibration and shock. The GX is configurable (from single piece orders to large volumes) to meet Dylix's customers needs without sacrificing delivery or large increases in price.

Manufactured for extended life cycle

Dylix's engineers developed this product to last in high cyclical environments with or without the presence of water hammering or spiking. Advanced manufacturing techniques, extreme environmental burn-in and thorough residual stress relieving procedures ensure the GX Series maintains its performance over time.

NEMA 4X packaging

Every Dylix GX Series is rated to NEMA 4X standards regardless of the output (mVdc, Vdc, or mAdc) or pressure format (gage, absolute, or vacuum). Pressure ranges are available from 0-5 psig through 0-15,000 psig.

Dylix's Customer Service

Each transducer is delivered within 1-2 Weeks ARO with a traceable calibration certificate.

Designed for high cycles



NEMA 4X

Standard Features

*± ≤ 0.25% FSO Static Accuracy
NEMA 4X Packaging
± ≤ 0.25% FSO /YR stability*

Available Options

*± ≤ 0.1% FSO Static Accuracy
Alternate Wetted Materials
Zero/Span Controls/ Shunt Cal*

Shown with standard cable exit

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Pressure Instruments*

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GX Series Pressure Transmitter



0-5 psi through 0-15k psi
NEMA 4X for Harsh Environments

Product Specifications

Electrical

Excitation	
GX1	2-15 Vdc
GX2 & GX3	8-38 Vdc*
Output	
GX1	1-2 mV/V*
GX2	0-5 Vdc*
GX3	4-20 mAdc
Zero Balance	$\leq \pm 1\%$ FSO
FSO Setting	$\leq \pm 1\%$ FSO
Resolution	Infinite ($\pm .001\%$ FSO usable)
Response Time	
GX1	< 1mS
GX2 & GX3	< 5 mS
Insulation Resistance	1000 M Ω @ 50 Vdc
Reverse Polarity	Protected
Warm-up	< 10 mS
Power Supply Effect	$\leq \pm .002\%$ FSO per V input (GX2,GX3)
EMI/RFI	Internal Filtering (GX2,GX3)
Short Circuit Protected	Up to 40 Vdc (GX2,GX3)

Mechanical

Pressure Ranges	0-5 through 0-15k 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 Male*
Electrical Connector	NEMA 4X cable exit (24" cable)*
Dimensions	per outline below
Weight	nominal 10 oz

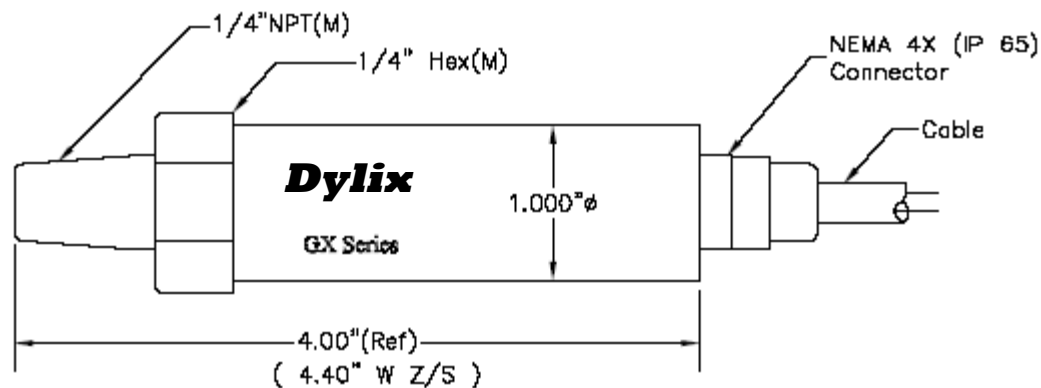
Environmental

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
GX1	mV/V dc 4 wire	Red/Pin 1/ Pin A	Black/Pin 2/Pin B	Green/Pin 3/Pin C	White/Pin 4/Pin D
GX2	0-5 (10) Vdc 3 wire	Red/Pin 1/Pin A	Black/Pin 2/Pin B	Green/Pin 3/Pin C	+ Sig ref to - Power
GX3	4-20 mAdc 2 wire	Red/Pin 1/Pin A		Black/Pin 2/Pin B	

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

Data Sheet GX-07 Rev A