

# GXS Series

## Waste Water Level Transmitter



### *Clog-free in Waste Water/Sludge/Slurry Applications*

#### **Designed for clog free operation in slurry applications**

Dylix's GXS submersible pressure transmitter is designed for the OEM and end-users where continuous submersion in sludge/slurry applications is required. The GXS's key feature is its clog free design of the sensing diaphragm, which improves reliability and lowers maintenance.

#### **Manufactured for reliability in harsh well environments**

The GXS is manufactured to perform over time in harsh well environments. An internal network of MOV's and dual gas discharge tubes protect against lightning, while dual sealing techniques ensures the integrity of the waterproof seal. 100% of Dylix's GXS transmitters are submerged at our factory for at least 24 hours.

#### **"Backed-up" sensing diaphragm**

The GXS sensing diaphragm is "backed-up" with a solid piece of steel and can withstand the most abrasive / cyclical applications.

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

Every GXS Series is shipped within 2-3 Weeks ARO with a NIST traceable calibration certificate

#### Clog-free Sensor

#### Internal Lightning Protection Standard



Shown as standard product

#### **Standard Features**

*Flush-clog free sensor  
Internal protection from lightning  
and EMI/RFI  
 $\leq \pm 0.5\%$  FSO Static Accuracy*

#### **Available Options**

*$\leq \pm 0.25\%$  FSO Static Accuracy  
Tefzel® Cable  
Low Power Consumption*

# GXS Series Pressure Transmitter



0-5ft H<sub>2</sub>O through 0-100 psi  
High Reliability Level Transmitter for Sludge/Slurry Applications

## Product Specifications

### Electrical

Excitation	8-38 Vdc*
Output	
GXS2	0-5 Vdc*
GXS3	4-20 mAdc
Zero Balance	≤±1% FSO
FSO Setting	≤±1% FSO
Resolution	Infinite (±.001% FSO usable)
Response Time	< 5 mS
Insulation Resistance	1000 MΩ @ 50 Vdc
Reverse Polarity	Protected
Warm-up	< 10 mS
Power Supply Effect	≤±.002% FSO per V input
EMI/RFI	Internal Filtering
Lightning Protected	MOV & dual gas discharge tube
Short Circuit Protected	Up to 40 Vdc

### Mechanical

Pressure Ranges	0-5 through 0-100 psi (Customer may specify any range/eng. unit FOC)
Proof Pressure	2X Full Scale*
Burst Pressure	5X Full Scale*
Materials	316L SST plus cable*
Pressure Port	Flush mount per outline below*
Electrical Connector	½"-NPT Male submersible conduit fitting with 10 ft of polyurethane cable*
Dimensions	per outline below
Weight	nominal 20 oz

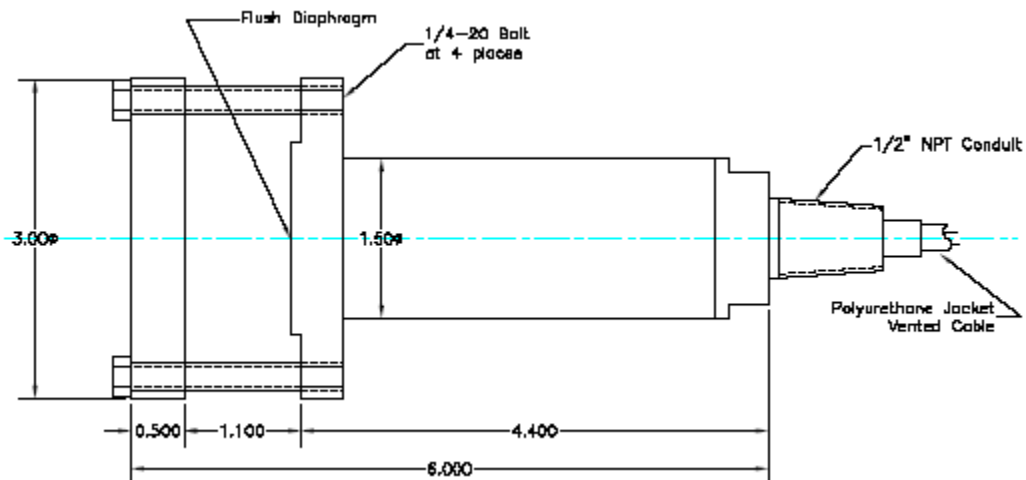
### Environmental

Compensated Temp Range	20 to 170 °F
Operating Temp Range	0 to 200 °F
Storage Temp Range	-20 to 250 °F

### Performance

Static Accuracy	≤±0.5% 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

### \*Options Available



### Standard Wiring:

Model	Output	+Power	-Power	+ Signal	- Signal
GXS1	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
GXS2	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
GXS3	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 GXS-07 Rev A