

GXS Series



Waste Water Level Transmitter

Clog-free in Waste Water/Sludge/Slurry Applications

Designed for clog free operation

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

Manufactured for reliability in harsh well environments

The GXS is manufactured to perform overtime in harsh well environments. An internal network of MOV's and dual gas discharge tubes protect against lightning, while triple sealing techniques ensure the integrity of the waterproof seal. This in turn results in fewer failures due to leakage. 100% of Dylix's GXS transmitters are submerged at our factory for at least 24 hours.

Better Performance

Standard accuracy of .25%, lower thermal effects of 1.5% and less orientation sensitivity, resulting in more accurate readings.

Dylix's Customer Service

Every GXS Series is shipped with a NIST traceable calibration certificate. Customer cable lengths or alternate wetted materials available.

Standard Features

- Flush, clog-free sensor
- Internal protection from lightning
- EMI/RFI filters
- Vent tube filter
- 40 foot vented cable
- $\leq \pm 0.25\%$ FSO Static Accuracy
- NIST Certification

Available Options

- Tefzel® Cable
- Low Power Consumption

Clog-free Sensor

Vent
Filter
Standard

Internal
Lightning
Protection
Standard

No Exposed
Mounting
For less
debris buildup.



Shown with standard Pro-Guard

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GXS Series Pressure Transmitter



0-5 ftwc 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 (± 0.001 FSO usable)
Response Time	< 5 mS
Insulation Resistance	1000 MΩ @ 50 Vdc
Reverse Polarity	Protected
Warm-up	< 10 mS
Power Supply Effect	≤± 0.002% 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 ftwc through 0-100 psi <i>(Customer may specify any range/eng. unit)</i>
Proof Pressure	2X Full Scale*
Burst Pressure	5X Full Scale*
Materials	316L SST plus cable*
Pressure Port	Flush mount per outline below*
Electrical Connector	1/2" NPT Male submersible conduit fitting with 40 feet of vented polyurethane cable*
Dimensions	Per outline below
Weight	Nominal 4 lbs.

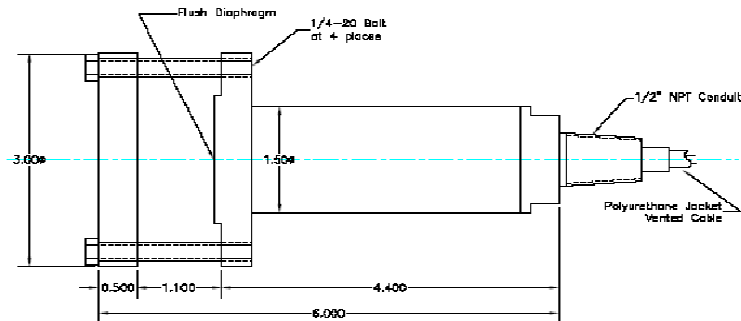
Environmental

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

Performance

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

*Options Available



Standard Wiring:

Model	Output	+ Power	- Power	+ Signal	- Signal
GXS2	0-5 (10) Vdc 3 wire	Red/Pin 1/Pin A	Black/Pin 2/Pin B	Green/Pin 3/Pin C	
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 B