

Waste Water Level Transmitter

GXS Series



Clog-free in Waste Water/Sludge/Slurry Applications

Design and Application - 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.

Manufacturing and Quality

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.

Dylix's Customer Service

Each GXS transmitter is shipped with a NIST traceable calibration certificate. Annual re-calibration and repair/refurbishment services are 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
- Pro-Guard debris protection
- $\leq \pm 0.25\%$ FSO/yr long term stability

Optional Features

- Tefzel® Cable
- Low Power Consumption
- Intrinsically Safe

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

Specifications: GXS Series

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

Pressure Transmitter

0-5 through 0-230 ftwc High Reliability Level Transmitter for Sludge/Slurry Applications

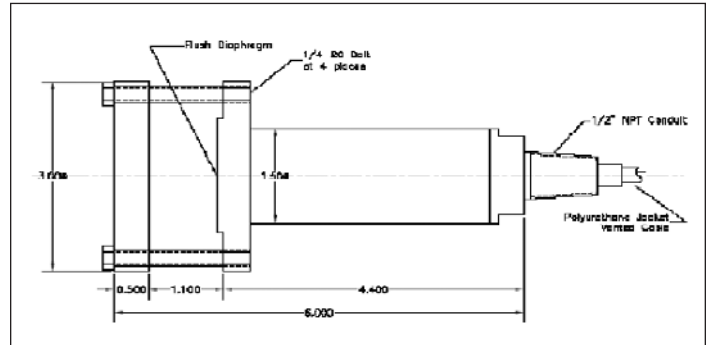
Electrical

Excitation	8-38 Vdc*
Output	
GXS2	0-5 Vdc*
GXS3	4-20 mA _{dc}
GXS7	4-20 mA _{dc} Intrinsically Safe
Zero Balance	± 1% FSO
FSO Setting	± 1% FSO
Resolution	Infinite (± 0.001% FSO usable)
Response Time	< 5 mS
Insulation Resistance	1,000 M Ω @ 50 Vdc
Reverse Polarity	Protected
Warm-up	< 10 mS
Power Supply Effect	± 0.002% FSO per V input (GXS2, GXS3, GXS7)
EMI/RFI	Internal Filtering (GXS2, GXS3, GXS7)
Short Circuit Protected	40 Vac (GXS2, GXS3, GXS7)
Lightning Protected	Dual gas discharge tubes

Mechanical

Pressure Ranges	0-5 through 0-230 ftwc (Customer may specify any range/eng. unit)
Proof Pressure	2X Full Scale*
Burst Pressure*	5X Full Scale*
Materials	ss*
Pressure Port	Flush mount per drawing*
Electrical Connection	½" NPT Male submersible conduit fitting with 40 feet of vented polyurethane cable*
Dimensions	Per Drawing
Weight	4 lbs (nominal)

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

Entity Parameters

V _{max} , U _i	32 Vdc
I _{max} , I _i	100 mA
P _{max} , P _i	800 mW
C _i	0.055 μF
L _i	0 mH

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	Black/Pin 2/Pin B
GXS3	4-20 mA _{dc} 2 wire	Red/Pin 1/Pin A		Black/Pin 2/Pin B	
GXS7	4-20 mA _{dc} 2 wire	Red/Pin 1/Pin A		Black/Pin 2/Pin B	

*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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