

STD Series

Small Bore Submersible



High Accuracy / Stability Pressure Transmitter

Designed for low cost of ownership

Dylix's STD Series Submersible Pressure Transmitter is designed for low cost of ownership for small bore level /depth measurement applications in shallow or deep wells. Key features of the STD are its long term stability, internal protection from lightning via dual gas discharge tubes, internal EMI/RFI filtering, double sealed cable exit and a maintenance free vent filter.

Ideal for Coal-Bed Methane applications with Dylix's low cost, non-vented submersible cable!

Manufactured for extended life cycle

Every STD Series is built using advanced manufacturing techniques to ensure the integrity of the waterproof seal. Double sealing techniques are used and 100 % of all STD Series are submerged at our factory for at least 24 hours. Automated welding procedures and extreme environmental burn in, along with the internal protection against the harsh well conditions give Dylix's customers the confidence of product reliability over time.

*Internal Lightning Protection
Standard on All Dylix's
Submersible Pressure
Products*

Low power / alternate materials available

From 0-5ft H₂O through 0-1500ft H₂O, the ST Series is available in either a 4-20 mA or 0-5 Vdc output signal. For remote or battery powered systems, a low power option is available from a 5 Vdc, 1.5 mA supply. To further enhance battery life, warm-up time is less than 3 mS. Other options include alternate materials of construction or Tefzel® cable.



0.75" diameter

Shown as standard product

Dylix's Customer Service

Each STD Series is delivered in 1-2 Weeks ARO with a traceable calibration record which details the input/output characteristics.

Standard Features

*Moisture Free/Maintenance Free Vent Filter
MI/RFI filtering with lightning protection
Standard accuracy $\pm 0.25\%$ FSO
Double sealed cable exit*

Available Options

*$\leq \pm 0.1\%$ FSO Static Accuracy
Remote Zero/Span Controls with Cal
Alternate Wetted Materials*

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Pressure Instruments*

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STD Series Pressure Transmitter



0-10 psi through 0-3,000 psi
Small Bore High Accuracy Submersible

Product Specifications

Electrical

Excitation	8-38 Vdc
Output	
STD2	0-5 Vdc
STD3	4-20 mAdc
Zero Balance	$\leq \pm 1\%$ FSO
FSO Setting	$\leq \pm 1\%$ FSO
Resolution	Infinite ($\pm .001\%$ FSO usable)
Response Time	< 5 mS
Insulation Resistance	1000 M Ω @ 50 Vdc
Reverse Polarity	Protected
Warm-up	< 5 mS
Power Supply Effect	$\leq \pm .002\%$ FSO per V input
EMI/RFI	Internal Filtering
Short Circuit Protected	Up to 40 Vdc

Mechanical

Pressure Ranges	0-10 through 0-3000 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 cable
Pressure Port	PVC Nose cone
Electrical Connector	Vented polyurethane
Dimensions	per outline below
Weight	appr. 10 oz

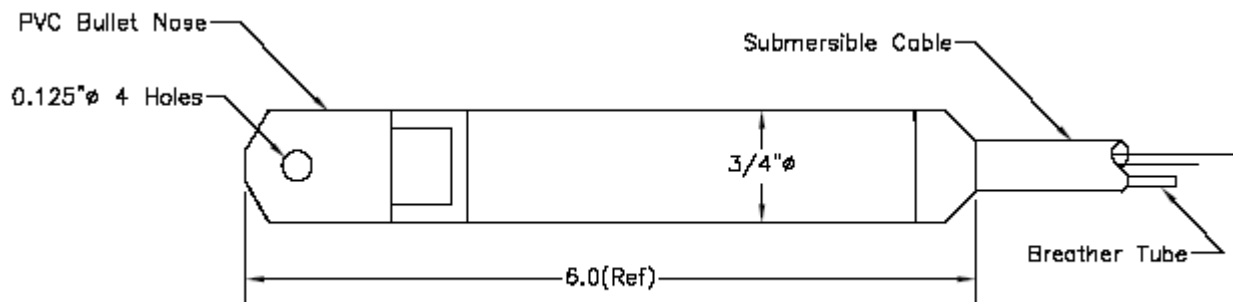
Environmental

Compensated Temp Range	20 to 120 °F
Operating Temp Range	0 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
STD1	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
STD2	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
STD3	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 STD-07 Rev A