

STD Series

Small Bore Submersible

Dylix[®]
Corporation

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, triple sealed cable exit and a maintenance free vent filter.

Manufactured for extended life cycle

Every STD Series is built using advanced manufacturing techniques to ensure the integrity of the waterproof seal. Triple 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.

Low power / alternate materials available

From 0-10 psi to 0-3,000 psi, the ST Series is available in 4-20 mA output signal. To further enhance battery life, warm-up time is less than 3 mS. Other options include alternate materials of construction or Tefzel® cable.

Dylix's Customer Service

Each STD Series is delivered with a NIST traceable calibration certificate.

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

0.75"
Diameter

Internal Lighting Protection & Vent Tube Filter Standard



Standard product shown

Standard Features

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

Available Options

$\leq \pm 0.1\%$ FSO Static Accuracy
Alternate Wetted Materials

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STD Series Pressure Transmitter



0-1 through 0-3,000 psi
Small Bore High Accuracy Submersible

Product Specifications

Electrical

Excitation	8-38 Vdc
Output	
STD3	4-20 mA _{dc}
Zero Balance	≤±1% FSO
FSO Setting	≤±1% FSO
Resolution	Infinite (±0.001% FSO usable)
Response Time	< 5 mS
Insulation Resistance	1000 M Ω @ 50 Vdc
Reverse Polarity	Protected
Warm-up	< 5 mS
Power Supply Effect	≤±0.002% FSO per V input
EMI/RFI	Internal Filtering
Short Circuit Protected	Up to 40 Vdc

Mechanical

Pressure Ranges	0-1 through 0-3,000 psi <i>(Customer may specify any range/eng. unit)</i> <i>(Absolute, vacuum, compound available options)</i>
Proof Pressure	2X Full Scale
Burst Pressure	5X Full Scale
Materials	
Wetted Parts*	316 SS & 17-4
Non-wetted Parts	316 SS plus cable
Pressure Port	PVC Bullet Nose
Electrical Connector	Submersible cable exit with 10ft vented polyurethane cable*
Dimensions	per outline below
Weight	Approximately 10 oz. (excluding cable)

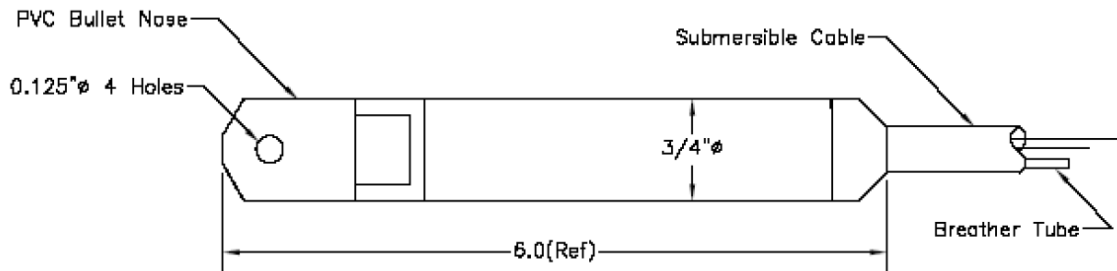
*Options Available

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	≤±0.25% FSO* (BFSL, RSS)* <i>(combined effects of non-linearity, hysteresis, & repeatability)</i>
Repeatability	≤±0.05% 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



Standard Wiring:

Model	Output	+ Power	- Power	+ Signal	- Signal
STD3	4-20 mA _{dc} 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.