

FD Series

Tank Level Transmitter



For Anderson, Cherry Burrell, or King Gage Receivers

Fast Thermal Response Time

Designed for sanitary markets

Dylix's FD Series is 3A approved and designed for CIP/SIP systems. Key feature of the sensing element is advanced temperature compensation methods, which not only improves performance over a wide temperature band, but greatly reduces CIP/SIP recovery times.

Manufactured for CIP/SIP & Wash-down areas

The FD Series is manufactured for reliability and stability in high humidity environments, and where direct sprays for wash-down purposes are present.

316L SST standard material of construction

The FD's construction of all 316L SST makes it an ideal choice for applications involving aggressive fluids.

Dylix's Customer Service

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



Standard Features

$\leq \pm 0.25\%$ FSO Static Accuracy
Media temperature up to 300 °F
 $\leq \pm 0.25\%$ FSO/YR Stability

Hasteloy C-276 available

Available Options

$\leq \pm 0.1\%$ FSO Static Accuracy
Improved Thermal Error Band to $\pm 0.5\%$ FSO per 100 °F
Digital Output

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*Design & Manufacture of
Pressure Instruments*

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FD Series Pressure Transmitter



0-50" H₂O through 0-50 psi
CIP/SIP Compatible

Product Specifications

Electrical

Excitation	2-15 Vdc*
	8-38 Vdc*
Output	
FD1	1-2 mV/V*
FD2	0-5 Vdc*
FD3	4-20 mAdc
Zero Balance	= ± 1% FSO
FSO Setting	= ± 1% FSO
Resolution	Infinite (± 0.001% FSO usable)
Response Time	< 5 mS
Insulation Resistance	100 MO @ 50 Vdc
Reverse Polarity	Protected
Warm-up	< 10 mS
Power Supply Effect	= ± 0.002% FSO per V input
EMI/RFI	Internal Filtering
Short Circuit Protected	Up to 40 Vdc

Mechanical

Pressure Ranges	0-50" H ₂ O through 0-50 psi (Customer may specify any range/eng. unit FOC) (Absolute, vacuum, compound available options)
Proof Pressure	2X Full Scale*
Burst Pressure	5X Full Scale* (Max 3000 psi)
Materials	
Wetted Parts*	316L SST*
Pressure Port	To mate with Anderson, Cherry Burrell, or King Gage tank receivers
Electrical Connector	NEMA 4X cable exit w/10 ft cable
Dimensions	per outline below

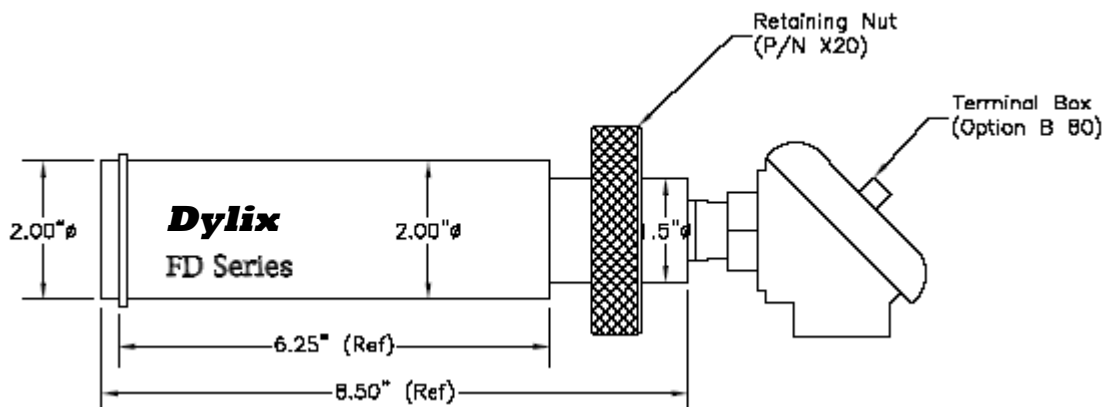
Environmental

Compensated Temp Range	0 to 170 °F
Operating Temp Range	-20°F to +300 °F

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 oF)
Long Term Stability	= ± 0.25% per year

*Options Available



Standard Wiring:

Model	Output	+Power	-Power	+ Signal	- Signal
FD1	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
FD2	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
FD3	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 FD-07 Rev A