

FH Series

Homogenizer Pressure Sensor



Extremely Low Clamping Effect

Designed for the highest system integrity

Dylix's FH Series Pressure Transmitter is designed for the OEM and end user where ruggedness, high performance, and reliability are required at a competitive price. Key feature of the FH is its non oil-filled sensing element. The sensing diaphragm is machined from a solid piece of steel, and can withstand the most abrasive/cyclical applications.

Manufactured for extended life cycle

Dylix's engineers developed this product to last in high cyclical environments with or without the presence of waterhammering or spiking. Advanced manufacturing techniques, extreme environmental burn-in and thorough residual stress relieving procedures ensure the FH Series maintains its performance over time.

Dylix's Customer Service

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

Hasteloy or Inconel sensors available



Designed for Wash-down Areas

Shown with optional 3/8" NPT

Standard Features

- $\pm 0.5\%$ FSO Static Accuracy
- NEMA 4X Packaging
- $\pm 0.25\%$ FSO/YR Stability

Available Options

- $\pm 0.25\%$ FSO Static Accuracy
- All Hasteloy or Inconel wetted parts
- Zero/Span Controls / Shunt Cal

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*Design & Manufacture of
Pressure Instruments*

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FH Series Pressure Transmitter



0-100 psi through 0-20k psi
 Low Clamping Effect / Designed for High Cycles

Product Specifications

Electrical

Excitation	
FH1	2-15 Vdc
FH2 & FH3	8-38 Vdc*
Output	
FH1	1-2 mV/V*
FH2	0-5 Vdc*
FH3	4-20 mAdc
Zero Balance	≤±1% FSO
FSO Setting	≤±1% FSO
Resolution	Infinite (±.001% FSO usable)
Response Time	
FH1	< 0.5 mS
FH2 & FH3	< 3 mS
Insulation Resistance	1000 MΩ @ 50 Vdc
Reverse Polarity	Protected
Power Supply Effect	≤±.002% FSO per V input (FH2 & FH3)
EMI/RFI	Internal Filtering (FH2 & FH3)
Short Circuit Protected	Up to 40 Vdc (FH2 & FH3)

Mechanical

Pressure Ranges	0-100 through 0-20k psi (Customer may specify any range/eng. unit FOC) (Absolute, vacuum, compound available options)
Proof Pressure	2X Full Scale*
Burst Pressure	5X Full Scale* (15k psi max)
Materials	
Wetted Parts*	15-5 SST*
Non-wetted Parts	316 SST plus electrical connector*
Pressure Port	Standard Homogenizer
Electrical Connector	NEMA 4X cable exit (24" cable)*
Dimensions	per outline below
Weight	nominal 10 oz

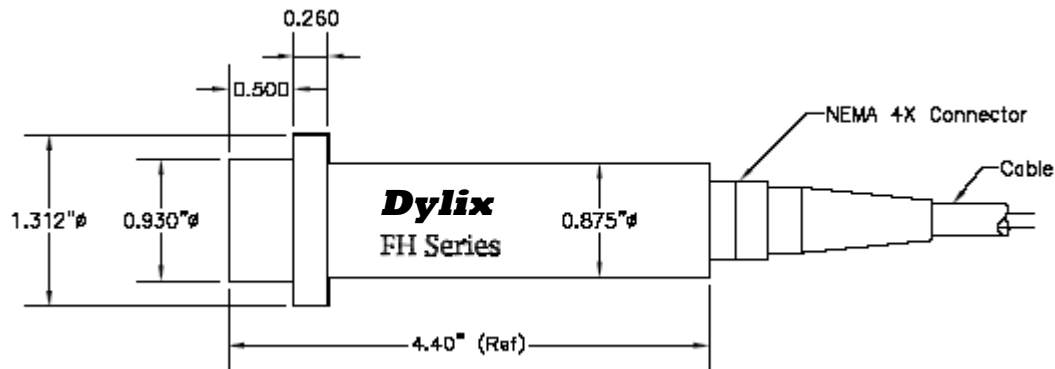
Environmental

Compensated Temp Range	0 to 170 °F
Operating Temp Range	-40 to 200 °F
Storage Temp Range	-40 to 250 °F

Performance

Static Accuracy	≤±0.5% 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

*Options Available



Standard Wiring:

Model	Output	+Power	-Power	+ Signal	- Signal
FH1	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
FH2	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
FH3	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.