

OEM Series

OEM Pressure Transducers



Gage, Absolute, or Differential Sensors Available

Designed for the OEM

The OEM Series is available in gage, absolute, or differential sensing formats. The OEM Series is offered starting from a raw sensing element through to a fully housed pressure transmitter. Its specifically designed for OEM's where ruggedness, high performance, and reliability are required at a competitive price. This product is modular and is configurable to meet our customers exact needs.

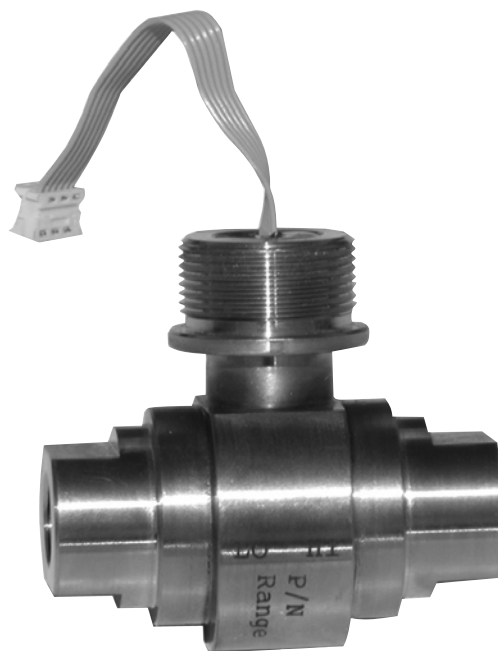
Manufactured for extended life cycle

Every OEM Series is built according to the each customers exact needs. Using advanced manufacturing techniques along with automated welding procedures and extreme environmental burn-in give Dylix's pressure products excellent performance and reliability over time.

Dylix's Customer Service

2-3 Week delivery on standard or custom products.

Offered from raw sensor to fully housed transmitter



DPO Series shown

Standard Features

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

Available Options

- $\leq \pm 0.25\%$ or 0.1% FSO Static Accuracy
- Zero/Span Controls with Cal
- Digital Output

OEM Series Pressure Transmitter



Customer Selects Specifications to Meet Exact Needs
 Minimum 100 Pieces per Annum

Product Offering

Electrical

Excitation	2-38 Vdc
Output	1-2 mV/V, 0-5 Vdc*, 4-20 mA dc, or digital
Zero Balance	$\leq \pm 1\%$ FSO
FSO Setting	$\leq \pm 1\%$ FSO
Resolution	Infinite ($\pm .001\%$ FSO usable)
Response Time	Depending on output
Insulation Resistance	1000 M Ω @ 50 Vdc
Reverse Polarity	Protected
Warm-up	< 10 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	0-5" H ₂ O through 0-100k psi (Customer may specify any range/eng. unit FOC)
Pressure Format	Gage, Absolute, or Differential
Proof Pressure	Min 2X Full Scale* (160k psi max)
Burst Pressure	Min 5X Full Scale* (180k psi max)
Materials	
Wetted Parts	15-5 SST or 316L SST*
Non-wetted Parts	316 SST plus electrical connector*
Pressure Port	Customer Specific
Electrical Connector	NEMA 4X cable exit (24" cable)*
Dimensions	per customer request
Weight	nominal 12 oz

Environmental

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

*Options Available

Performance

Static Accuracy	$\leq \pm 0.5\%$ FSO* (BFSL, RSS)* (combined effects of non-linearity, hysteresis, & repeatability)
Repeatability	$\leq \pm 0.1\%$ 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

Sample Listing of Additional Options

Accuracy to $\pm 0.05\%$ FSO
 Temperature Performance to $\pm 0.005\%$ per °F
 Low Power, Fast Response
 Alternate Materials
 Operating Temperature to 400 °F

Standard Wiring:

Model	Output	+Power	-Power	+ Signal	- Signal
OEM1	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
OEM2	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
OEM3	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.

Data Sheet OEM-07 Rev A