

Model D150 Differential Pressure Transducer



- Accuracies of 0.5%, 0.2% & 0.1%
- Maximum RFI/EMI protection on every transducer
- Outputs - 4-20mA, 0-5V & 0-10V – custom outputs available
- Pressure ranges 0-5 to 0-1,000 PSID
- Suitable for high shock and vibration applications
- Available with temperature output (thermocouple or RTD)
- Temperature compensation at the sensor element.
- Custom designs available (contact factory)

CE

Performance @ 25°C (77°F)

Accuracy: $<\pm 0.5\%$ BFS (0.2% and 0.1% optional)
Stability (1 year): $<\pm 0.25\%$ FS, typical
Over pressure protection: 2X Rated Pressure
Burst Pressure: 2.5X minimum
Pressure Cycles: >50 Million
Temp. range: -50 to $+125^\circ\text{C}$ (-60 to $+250^\circ\text{F}$)
Temperature Accuracy: $\pm 1^\circ\text{F}$ ($\pm 1^\circ\text{C}$)

Environmental Data

Operating temp: -40 to $+85^\circ\text{C}$ (-40 to $+185^\circ\text{F}$)
(Optional to $+250^\circ\text{F}$, consult factory)
Storage temp: -50 to $+125^\circ\text{C}$ (-60 to $+250^\circ\text{F}$)
Compensated range: 0 to 50°C ($+32$ to $+125^\circ\text{F}$)
Temp comp Zero: $<\pm 1.5\%$ FS
Temp comp Span: $<\pm 1.5\%$ FS

Electrical Data

Excitation:
9-36 Vdc (4-20mA and 0-5 Vdc outputs)
13-36 Vdc (0-10 Vdc output)
Option C29: Maximum 29 Vdc excitation
Current consumption: <10 mA (voltage outputs)
Zero offset: $<\pm 1\%$ of FS
Span tolerance: $<\pm 1.0\%$ of FS
Output load: $>10\text{K}$ Ohm

Physical data

Sensor wetted material: 316 stainless steel)

Pressure connection: 1/4 male NPT, SAE-4 male
(others on application)

Electrical Connection: Cable, DIN, Cannon, Bendix
(others available on application)

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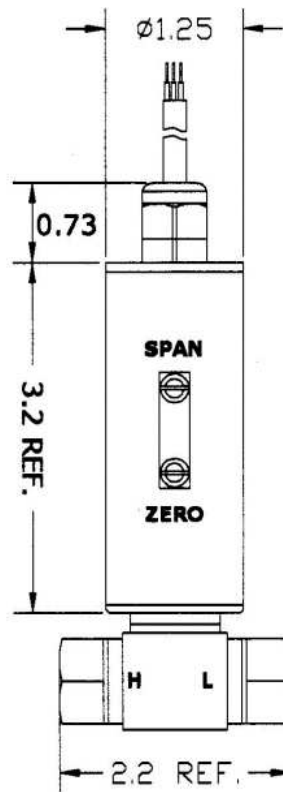
Ordering guide – Example: D150-A-(0-50)-D-3-5-EC1

A	(0-50)	D	3	5	EC1
Pressure Port	Range	Pressure Output	Temperature Output	Accuracy	Connector
A=1/4"MNPT B=SAE4 Male C=Other	Specify Pressure Range. 0-5 PSID to 0-1,000 PSID	D=4-20mA E=0-5Vdc F=0-10Vdc X=Other	0=None 3=TC (J or K) 4=RTD (100 Ohm Three wire) 5=Other	5=0.5% BFSL* 2=0.2% 1=0.1%	EC1=36" pigtail EC2=DIN 43650 with mate (large) EC4=Bendix 6-pin EC3=Mini DIN 43650 EC9=1/2" NPT conduit with wiring leads ECT=M12 Turck ECX=Other

*BFSL – Best Full Scale Line

Dimensions

(For reference only. Actual dimensions may vary – Shown with *optional* external zero & span adjustments)



OPTIONS MAY CHANGE OVERALL DIMENSIONS,
CONSULT FACTORY

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