

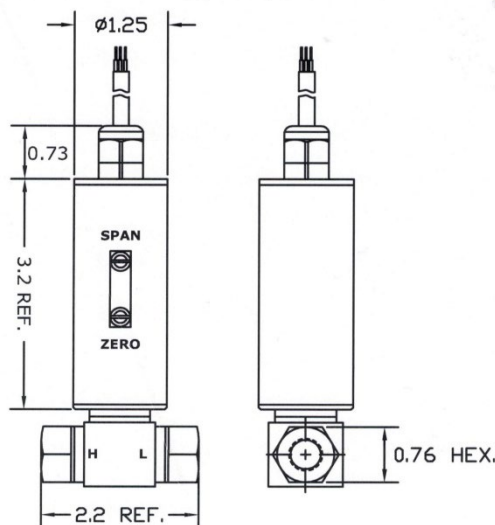


Spectre Corp

Model D150 Differential Pressure Transducer

- 0.5% BFSL (Standard) – 0.2% and 0.1% BFSL optional, 0.1% includes 16 Point Calibration with Certificate
- Standard Pressure Outputs: 4-20 mADC, 0-10 VDC, 0-5 VDC
- 1/4" NPT and SAE-4 process connections standard – contact factory for other options
- Suitable for high shock and vibration applications
- Standard ranges from 1 PSID to 500 PSID (0.1 – 35 BarD) - line pressures up to 1450 PSI (100 Bar)
- Duplicate any customer's process and electrical connections for transparent replacement
- Available with temperature output (RTD or Thermocouple)
- RFI/EMI protection on every unit

REFERENCE DIMENSIONS:



MODEL D150 REV_D

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Azienda con sistema di gestione
certificato Nr. 5010011753
secondo la norma UNI EN ISO 9001



Model D150 Differential Pressure Transducer

Ordering Guide: D150-A-(0-50PSID)-D-0-5-EC1-OP5

A	(0-50PSID)	D	0	5	SCV
PRESSURE PORT	RANGE ¹	PRESSURE OUTPUT	TEMP OUTPUT	ACCURACY (BFSL)	CONNECTOR
A = 1/4" MNPT	PSID	D = 4-20 mA	0 = NONE	5 = 0.5%	EC1 = 36" PIGTAIL
B = SAE-4 MALE	BarD	E = 0-5 VDC	3 = TC (J/K)	2 = 0.25%	EC2 = LG DIN 43650, FORM A
C = OTHER		F = 0-10 VDC	4 = RTD	1 = 0.1%	EC3 = MINI DIN 43650, FORM C
			5 = OTHER		EC4 = BENDIX PTIH-10-6P
					ECX = OTHER

¹ OTHER RANGES AVAILABLE, CONSULT FACTORY

OP5
OPTIONS
OP1 = NIST CALIBRATION WITH CERTIFICATE
OP5 = ZERO & SPAN CONTROLS
OPX = OTHER (SPECIFY)

TYPICAL APPLICATIONS	
Oil & Gas Equipment	Fuel Systems
Hydraulics	Building Automation
Labs / Metrology	HVAC

Electrical Data
Excitation: 9-36 VDC (4-20 mA), 13-36 VDC (0-5V, 0-10V)
Current Consumption: < 10 mADC
Zero Offset: $\leq \pm 0.1\%$ of FS
Span Tolerance: $\leq \pm 1.0\%$ of FS
Output Load: >10K Ω
Reverse Polarity Protection: Yes

Physical Data
Sensor
Wetted Material: 316 SS
Housing: 316 SS
Connections
Pressure: 1/4" MNPT, SAE-4 Male

Environmental Data
Temperature
Operating: -40°C to 85°C
Storage: -50°C to 125°C
Thermal Limits
Compensated Range: 1°C to 70°C
Thermal Effect Zero: $\leq \pm 1.0\%$ FS
Thermal Effect Span: $\leq \pm 1.0\%$ FS

Performance @ 25 °C
Accuracy: $< \pm 0.5\%$ BFSL to 0.1% BFSL ²
Stability: (1 year): $< \pm 0.25\%$ FSO, Typical
Differential Pressure: 10X FS $\leq$ 150 PSI $\geq$ 1450 PSI
Burst Pressure: 2.5X FS Minimum
Pressure Cycles: > 50 Million
Temperature Range: 1°C to +40°C
Temperature Accuracy: $\pm 1^\circ\text{C}$

² Accuracy includes non-linearity, hysteresis and non-repeatability