

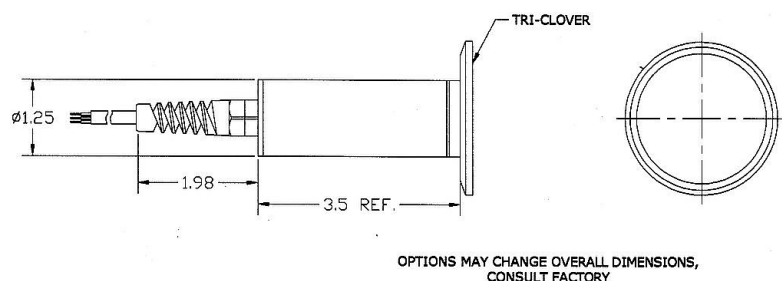


Spectre Corp

Model S150 Sanitary Series 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
- All welded stainless-steel construction
- Suitable for high shock and vibration applications
- Standard ranges from 0-10"WC TO 0-1000 PSI
- Temperature compensation at sensor element
- Available with temperature output (RTD or Thermocouple)
- RFI/EMI protection on every unit

REFERENCE DIMENSIONS:



FEATURES:

Proprietary fused bond sensor

Accuracies 0.5% - 0.1% BFSL

Temperature compensation at sensor element

No internal O-rings – ideal for critical applications



MODEL S150 REV B

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



Model S150 Sanitary Series Pressure Transducer

Ordering Guide: S150-C-(0-500PSI)-D-4-5-EC1

C	(0-500PSI)	D	4	5	EC1
TRI-CLOVER	RANGE ¹	PRESSURE OUTPUT	TEMP OUTPUT	ACCURACY (BFSL)	CONNECTOR
C = 1.5"	PSID	D = 4-20 mA	0 = NONE	5 = 0.5%	EC1 = 36" PIGTAIL
D = 2"	BarD	E = 0-5 VDC	3 = TC (J/K)	2 = 0.25%	EC2 = LG DIN 43650, FORM A
E = 2.5"		F = 0-10 VDC	4 = RTD	1 = 0.1%	EC3 = MINI DIN 43650, FORM C
F = 3"			5 = OTHER		EC4 = BENDIX PTIH-10-6P
					ECX = OTHER

¹ OTHER RANGES AVAILABLE, CONSULT FACTORY

TYPICAL APPLICATIONS

Pharmaceutical	Chemical
Food Service	Beverage

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: Tri-clover

Electrical: Cable, Din, Bendix, Other

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% BFSL²

Stability: (1 year): < $\pm 0.25\%$ FSO, Typical

Differential Pressure: 10X FS ≤ 150 PSI ≥ 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