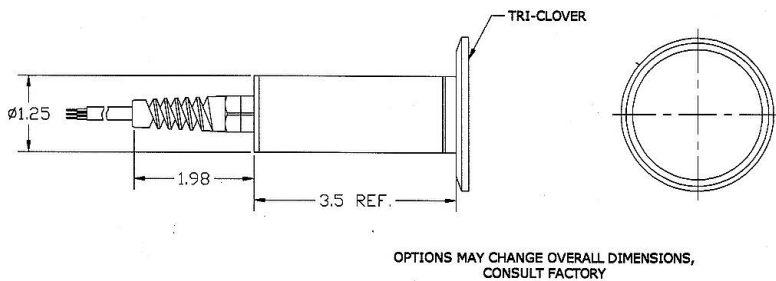




Model S150 Sanitary Series Pressure Transducer

- 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 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 $\leq$ 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





Spectre Corp

Model 9500 Precision Combination Series Transducer

- Highest performance transducer over temperature. Zero thermal error/drift
- Units are individually calibrated from -40°C to 85°C for pressures ranging from 0-5" WC to 40,000 PSI
- 0.05% & 0.03% BFSL (STANDARD) – Contact Factory for other options
- 16 Point Calibration with Certificate (STANDARD)

- Unparalleled thermal stability from -40°C to 100°C
- Transducer maintains stated accuracy throughout entire temperature compensated range
- Duplicate any customer process and electrical connector for transparent replacement
- Multiple Temperature Outputs available

Spectre's ZERO Drift High Performance Transducer is the world's only pressure transmitter that maintains performance over temperature by eliminating the largest sources of error:

Zero & Thermal Drift



FEATURES:

Proprietary Fused Bond Sensor

Sensor Wetted Material Machined from Stainless Steel Bar Stock (No Welds)

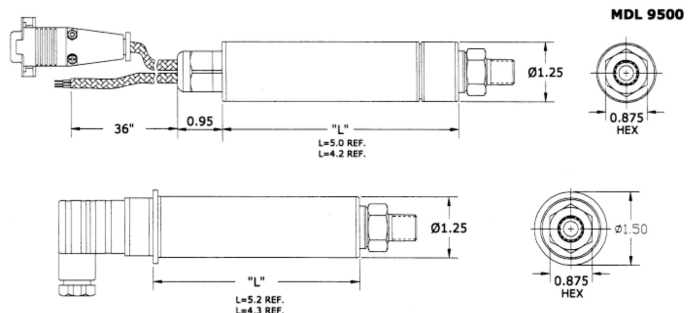
RFI/EMI Protection

Digital Correction for non-linearity and inaccuracies within the sensing element

Multiple Temperature and Pressure Output Options (Custom on Request)

Suitable for high shock and vibration applications

REFERENCE DIMENSIONS:



Spectre Corp





Model 9500 Precision Combination Series Transducer

A	(0-500)	2	D	1	05	EC2
PRESSURE PORT	RANGE ¹	TYPE	PRESSURE OUTPUT	TEMP OUTPUT	ACCURACY (BFSL)	CONNECTOR ²
A = 1/4" MNPT	PSI	1 = ABSOLUTE	D = 4-20 mA	1 = 4-20 mA	05 = 0.05%	EC1 = 36" PIGTAIL ³
B = SAE-4 MALE	BAR	2 = GAUGE	E = 0-5 VDC	2 = 1-5 VDC	03 = 0.03%	EC2 = LARGE DIN 43650, FORM A
C = OTHER	kPA	3 = VACUUM	F = 0-10 VDC	3 = TC		EC3 = MINI DIN 43650, FORM C
E = F-250 C	INCHES WC	4 = SEALED	M = mV/V	4 = RTD		EC4 = BENDIX PTIH-10-6P
	TORR	5 = COMPOUND		7 = OTHER		ECT = TURCK M12
		6 = OTHER				ECX = OTHER

Ordering Guide: 9500-A-(0-500PSI)-2-D-1-05-EC1-PB

¹ OTHER RANGES AVAILABLE, CONSULT FACTORY

² CUSTOM PINOUTS/WIRING AVAILABLE, PLEASE SPECIFY UPON ORDER PLACEMENT

³ PVC STANDARD CABLE JACKET-OTHERS

AVAILABLE ON REQUEST

PB
OPTIONS
PB = PUSH BUTTON RE-ZERO
NO = NONE
OPX = OTHER (SPECIFY)

TYPICAL APPLICATIONS		
Engine Test Stands	Diesel-Internal Combustion	Laboratory
Leak Detection	Emission Testing	Bake Testing
Turbine-Rocket/Jet Engine Testing	Production Test Stand	Military
Transmission Testing	Off-road Vehicles	Tank Level

Performance @ 25 °C
Accuracy: < ± 0.05% BFSL to 0.02% BFSL
Stability: (2 year): <± 0.10% FSO, Typical
Overpressure Protection: 2X Rated Pressure
Burst Pressure: 5X Minimum
Pressure Cycles: > 50 Million
Temperature Range: -40 °C to 100°C
Response: ≤ 2 ms to 90%

Electrical Data
Excitation: 13-36 VDC
Current Consumption: < 5 mA
Zero Offset: ≤±0.1% of FS
Span Tolerance: ≤±0.1% of FS
Output Load: > 10K Ω

⁴ Thermal changes will not affect overall accuracy.

Environmental Data
Temperature
Operating: -40°C to 85°C
Storage: -50°C to 125°C
Thermal Limits
Compensated Range: -40°C to 85°C
Thermal Effect Zero: Negligible ⁴
Thermal Effect Span: Negligible ⁴

Physical Data
Sensor
Wetted Material: 316 SS
Housing: 316 SS
Connections
Pressure: 1/4" MNPT, SAE-4, F-250 C (Others on request)
Electrical: Cable, DIN, Bendix, M12 (Others on request)





Spectre Corp

Spectre Corp



Adaptive Industrial Solutions
1015 Grupp Road #31733
St. Louis, MO 63114
MODEL 9900 REV_C

877.818.5009
sales@adaptiveind.com
www.adaptiveind.com
02/12/23



SPECTRE CORP



Model 3000 Hydraulic Pressure Transducer

- Standard Pressure Outputs: 4-20 mADC, 0-10 VDC, 0-5 VDC (Optional 1-5 VDC, mV/V)
- 0.25% & 0.08% BFSL (Standard) - 0.04% BFSL includes 16 Point Calibration with Certificate
- 1/4" NPT, SAE-4, F-250C process connections standard – contact factory for other options
- Standard ranges from 0-5 psi to 0-40000 psi
- Designed specifically for applications subjected to high shock and vibration
- Duplicate any customer's process and electrical connection for transparent replacement

The rugged design of the Model 3000 Hydraulic Pressure Transducer makes it the ideal choice when application conditions such as high vibration, shock and temperature extremes are present



FEATURES:

Proprietary Fused Bond Sensor

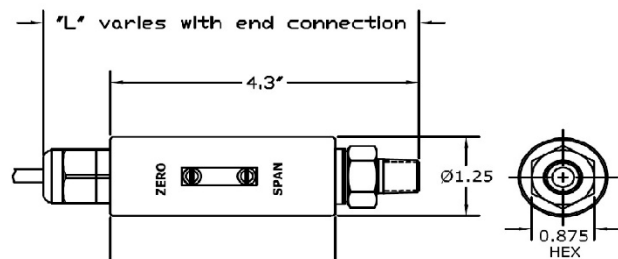
Sensor Wetted Material Machined from Stainless Steel Bar Stock (No Welds) for pressures greater than 1000 psi

RFI/EMI Protection on every unit

Unparalleled long-term stability

External Zero & Span Controls available

REFERENCE DIMENSIONS:



Spectre Corp



SPECTRE CORP



Model 3000 Hydraulic Pressure Transducer

Ordering Guide: 3000-B-(0-5000PSI)-2-D-1-EC3X

A	(0-5000)	2	D	5	EC1
PRESSURE PORT	RANGE ¹	TYPE	PRESSURE OUTPUT	ACCURACY (BFSL)	CONNECTOR ²
A = 1/4" MNPT	PSI	1 = ABSOLUTE	D = 4-20 mA	25 = 0.25%	EC1 = 36" PIGTAIL ³
B = SAE-4 MALE	BAR	2 = GAUGE	E = 0-5 VDC	1 = 0.1% BFSL	EC2 = LARGE DIN 43650, FORM A
C = OTHER	kPA	3 = VACUUM	F = 0-10 VDC		EC3 = MINI DIN 4365, FORM C
D = 1/8" MNPT	INCHES WC	4 = SEALED	M = mV/V		EC3X = HIRSCHMANN G4W1F ⁴
E = F-250C	TORR	5 = COMPOUND			ECT = TURCK M12
		6 = OTHER			ECX = OTHER

¹ OTHER RANGES AVAILABLE, CONSULT FACTORY

² CUSTOM PINOUTS/WIRING AVAILABLE

³ PVC STANDARD CABLE JACKET – OTHERS AVAILABLE ON REQUEST

OP5
OPTIONS
OP1 = NIST CALIBRATION WITH CERTIFICATE
OP5 = ZERO & SPAN CONTROLS
OP8 = INTERNAL SHUNT CAL RESISTOR (80% FS)
OPX = OTHER (SPECIFY)

TYPICAL APPLICATIONS
Industrial OEM Equipment
Injection Molding
Die Casting
Hydraulic Systems with Pressure Spikes or High Cyclic Conditions

Performance @ 25 °C
Accuracy: < ± 0.25% BFSL to 0.04% BFSL ⁵
Stability: (2 year): <± 0.04% FSO, Typical
Overpressure Protection: 5X Rated Pressure
Burst Pressure: 5X or 20000 PSI (lesser)
Pressure Cycles: > 50 Million
Temperature Range: -40°C to 212°F
Response: ≤ 5 ms to 90%

Physical Data
Sensor
Wetted Material: 316 SS greater than 1000 psi
Housing: 316 SS
Connections
Pressure: 1/4" MNPT, SAE-4, F-250C

Environmental Data
Temperature
Operating: -40°F to 212°F
Storage: -50°C to 125°C
Thermal Limits
Compensated Range: 0°C to 85°C
Thermal Effect Zero: ≤ ±1.5% FS
Thermal Effect Span: ≤ ±1.5% FS

Electrical Data
Excitation: 9-36 VDC (4-20 mA), 13-36 VDC (0-5V, 0-10V)
Current Consumption: < 5 mADC
Zero Offset: ≤± 0.25% of FS
Span Tolerance: ≤±1.0% of FS
Output Load: >10K Ω
Range Cal Signal: Internal Resistor 100%

⁵ Accuracy includes non-linearity, hysteresis and non-repeatability

Spectre Corp