

MSP 300 Series Transducer Instruction Sheet





Performance Specifications

Accuracy (combined linearity, hysteresis and repeatability)	$<\pm1\%$ of FS Span
Media compatibility	17-4 PH stainless steel, (316 stainless steel available upon request)
Pressure overload	2x rated pressure
Burst pressure	5x or 20,000 psi, whichever is less
Long term stability (1 year)	$\pm 0.25\%$ of FS Span (Typical)
	Electrical
Zero Offset	$\sim 20/$ of EC (non-for millively outputs $/ \sim 20/$ for all other outputs
	$\pm 3\%$ of FS Span for millivolt outputs / $\pm 2\%$ for all other outputs
Span tolerance	$\pm 2\%$ of FS Span for millivolt outputs / $\pm 2\%$ for all other outputs
Load Impedance	For voltage output configurations use: 1M Ohms for millivolt output; for all others >100 K Ohms for quoted performance For 4-20 mA configuration use 0.05 * (Vsupply-10) K Ohms for max loop resistance
Bandwidth (-3dB)	DC to 1KHz - for amplified
Operating temperature range	-4° to 185°F (-20° to 85°C)
Compensated temperature range	32° to 130°F (0° to 55°C)
Zero thermal error	$<\pm2\%$ of FS Span
Span thermal error	$<\pm2\%$ of FS Span
Storage temperature range	-40° to 185°F (-40° to 85°C)
Shock	50g, 11 msec half sine shock per MIL-STD- 202F, method 213B, condition A
Vibration	± 20 g MIL-STD-810C, Procedure 514.2, Figure 514.2-2, curve L

Note: All performance and electrical specifications are referenced to 25°C, unless otherwise indicated.

Dear Valued Customer:

The enclosed pressure transducer has been manufactured, tested and inspected in accordance with all applicable procedures and practices as established in our registered ISO 9000 quality system. We certify that this sensor is in full conformance with all written specifications as contained in this instruction sheet.

Signature: Charlie Chen Title: Quality Manager, MSI/JL

Measurement Specialties, Inc. Sensors Group, Microfused Sensor Division 1000 Lucas Way Hampton, VA 23666 Questions, call our help line @ 1-800-745-8008, Fax: (610) 650-1509. For more information visit our website at WWW.MSIUSA.COM, E-mail address: SENSORS@MSIUSA.COM