



SPECIFICATIONS

Pressure Ranges	0-3,000, 0-5,000, 0-10,000, 0-15,000, 0-20,000, 0-25,000, 0-30,000, 0-40,000, 0-50,000 PSI.	Acceleration Error	Less than $\pm 0.005\%$ FSO per G.
Measurand Fluids	Compatibility with Alloy A286.	Triaxial Vibration Error	Less than $\pm 0.005\%$ FSO per G. 30G peak, 50 to 2000 Hz. or 1.0 inch DA from 5 to 50 Hz.
Full Scale Output	5.00 ± 0.050 VDC for 10K ohm load or greater. Calibrated with 50K ohm load.	Excitation	20 to 36 volts DC unregulated. Reverse polarity protected. ± 100 volt 10 microsecond spikes will not cause permanent damage.
Zero Balance	0.00 ± 0.050 VDC at 70°F.	Current Drain	Less than 35 mdc.
End Point Linearity	Within $\pm 0.25\%$ FSO.	Output Impedance	Less than 25 Ohms.
Hysteresis	Less than 0.10% FSO.	Output Noise	Less than 15 millivolts peak to peak at less than 300 KHz.
Repeatability	Within 0.10% FSO.	Insulation Resistance	Greater than 1000 megohms @ 50 VDC between all terminals in parallel and transducer case measured @ 70°F.
Resolution	Infinite.	DC Isolation	Greater than 1000 megohms at 50 VDC from excitation to signal output terminals.
Natural Frequency	Greater than 100KHz. Electronic cutoff Frequency Approximately 6KHz.	Pressure Fitting	Autoclave Engineering Type F-562-C, 1-1/8-12 Thd. with 1.75 flats.
Proof Pressure	Application of 1.5 times full range pressure or 50,000 PSI, whichever is less, shall not cause a change in calibration.	Enclosure	Entire housing and pressure cavity of stainless steel. All electrical components sealed against adverse environmental conditions.
Burst Pressure Rating	Application of 4 times rated range pressure shall not burst diaphragm sensing element. (Note that the F562C pressure fitting is rated at 60,000 PSI.)	Electrical Fitting	1/2 NPT conduit with 4-wire pigtail leads 18 inches long #20AWG, Teflon insulation, rated 600 volts 200 °C, passes FR-1 vertical flame test, MIL-W-16878 Type E. Red: +28 VDC excitation Black: 28 VDC excitation return Green: Plus signal White: Minus Signal
Compensated Temperature Range (CTR)	-30°F to +170°F	Weight	Approximately 32 ounces.
Operating Temperature Range	-100°F to +250°F.	Explosion Proof	Designed to meet the explosion proof requirements of Class 1, Div. 1, Groups B, C & D for use in hazardous areas.
Thermal Sensitivity Shift	Less than $\pm 0.005\%$ FSO per °F over CTR		
Thermal Zero Shift	Less than $\pm 0.01\%$ FSO per °F over CTR		
Triaxial Mechanical Shock	30 G's applied for 11 milliseconds will not cause change in performance characteristics.		

Terminology in accordance with ISA Standard S37.3.