



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.
Measurand Fluids	Compatibility with Alloy A286.
Full Scale Output	1.5 ± .0075 mv open circuit per volt excitation. Calibrated at 10.0 VDC excitation.
Zero Balance	0.00 ± 0.03 mv per volt at +70°F
End Point Linearity	Within ± 0.25% FSO.
Hysteresis	Less than 0.10% FSO.
Repeatability	Within 0.10% FSO.
Resolution	Infinite.
Natural Frequency	Greater than 100 KHz
Proof Pressure	Application of 1.5 times full range pressure or 50,000 PSI, whichever is less, shall not cause a change in calibration.
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.)
Compensated Temperature Range (CTR)	-30°F to +170°F.
Operating Temperature Range	-100°F to +300°F.

Thermal Sensitivity Shift	Less than ± 0.005% FSO per °F over CTR.
Thermal Zero Shift	Less than ± 0.01% FSO per °F over CTR.
Triaxial Mechanical Shock	30 G's applied for 11 milliseconds will not cause change in performance characteristics.
Acceleration Error	Less than ± 0.005% FSO per G.
Triaxial Vibration Error	Less than ± 0.005% FSO per G. 30G peak, 50 to 2,000 Hz. or 1.0 inch DA from 5 to 50 Hz.
Excitation	10 volts DC or AC RMS recommended. 15 volts maximum
Input Resistance	350 ± 3.5 Ohms at +70°F.
Output Resistance	350 ± 5.0 Ohms.
Insulation Resistance	Greater than 10K megohms at 50 VDC between all terminals in parallel and case at +70°F.
Pressure Fitting	Autoclave Engineering Type F-562-C, 1/8-12 Thd. with 1.75 flats. -
Enclosure	Entire housing and pressure cavity of stainless steel. All electrical components sealed against adverse environmental conditions.
Electrical Receptacle	Stainless steel MS3102-14-2P is standard. Standard wiring excitation +A, -D. Signal +B, -C. Options available.
Weight	Approximately 40 ounces.

Terminology in accordance with ISA Standard S37.3.