

# Model 226

## Specifications:

<i>Measurand Fluids</i>	All fluids compatible with 347 and Carpenter 20 stainless steel.
<i>Full Scale Output</i>	3.00 $\pm$ 0.015 mV open circuit per volt excitation. Calibrated at 10.00 Vdc excitation.
<i>Zero Balance</i>	0.00 $\pm$ 0.03 mV per volt at +70°F (+21°C).
<i>End Point Linearity</i>	Within $\pm$ 0.25% FSO.
<i>Hysteresis</i>	Within 0.25% FSO.
<i>Repeatability</i>	Within 0.10% FSO.
<i>Resolution</i>	Infinite.
<i>Natural Frequency</i>	Range (PSI)      Frequency (kHz)
	0-200              2.6
	0-300              3.2
	0-500              4.2
	0-750              5.5
	0-1000             6.7
	0-1500             8.8
	0-2000             11.0
<i>Proof Pressure Rating</i>	Application of 3 times FS pressure will not cause any change in performance characteristics.
<i>Compensated Temperature Range</i>	-30°F to +170°F (-34°C to +77°C). Options available.
<i>Operating Temperature Range</i>	-100°F to +300°F (-73°C to +149°C).
<i>Thermal Sensitivity Shift</i>	Less than $\pm$ 0.005% FSO per °F over compensated temperature range ( $\pm$ 0.009% FSO per °C).
<i>Thermal Zero Shift</i>	Less than $\pm$ 0.010% FSO per °F over compensated temperature range ( $\pm$ 0.018% FSO per °C).
<i>Triaxial Mechanical Shock</i>	30 G's applied for 11 milliseconds will not cause change in performance characteristics.
<i>Acceleration Error</i>	Along most sensitive axis: 0-200 PSI range ..... $\pm$ 0.0145% FSO/G 0-300 PSI range ..... $\pm$ 0.0130% FSO/G 0-500 PSI range ..... $\pm$ 0.0100% FSO/G 0-750 PSI range ..... $\pm$ 0.0070% FSO/G 0-1000 PSI range ..... $\pm$ 0.0050% FSO/G 0-1500 PSI range ..... $\pm$ 0.0035% FSO/G 0-2000 PSI range ..... $\pm$ 0.0030% FSO/G
<i>Excitation</i>	10 volts dc or ac rms recommended. 15 volts dc or ac maximum.
<i>Input Resistance</i>	350 $\pm$ 3.5 ohms at +70°F (+21°C). Input circuitry symmetrical.
<i>Output Resistance</i>	350 $\pm$ 5.0 ohms at +70°F (+21°C).
<i>Insulation Resistance</i>	Greater than 10k megohms at 50 Vdc between all terminals in parallel and case at +70°F (+21°C).
<i>Pressure Connection</i>	7/16-20 internal thread per MS33649-4 is standard. Options available.
<i>Pressure Cavity Volume</i>	0.08 in <sup>3</sup> (1.31 ml) excluding MS33649-4 fitting.
<i>Electrical Receptacle</i>	Stainless steel receptacle to mate with MS3106-14-2S. Standard wiring: Excitation +A, -D; Signal +B, -C. Options available.

### Enclosure

Entire housing and pressure cavity of stainless steel. All electrical components sealed against adverse environmental conditions.

### Weight

Approximately 53 ounces (1.5 kg).

