

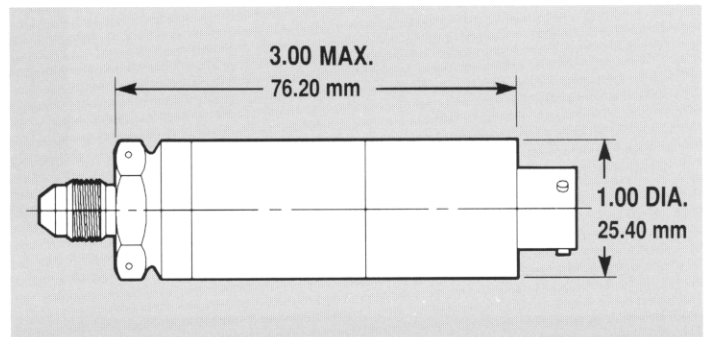
# Model 2201

## Bonded Strain Gage Pressure Transducer

### Specifications:

<i>Measurand Fluids</i>	All fluids compatible with 17-4 PH stainless steel.																																
<i>Full Scale Output</i>	3.00 ±0.015 mV open circuit per volt excitation. Calibrated at 10.00 Vdc excitation.																																
<i>Zero Balance</i>	0.00 ±0.03 mV per volt at +70°F (+21°C).																																
<i>End Point Linearity</i>	Within ±0.35% FSO for 200 and 250 PSI ranges. Within ±0.25% FSO for 300 PSI range. Within ±0.20% FSO for 500 thru 1500 PSI ranges. Within ±0.15% FSO for 2000 thru 5000 PSI ranges.																																
<i>Hysteresis</i>	Within 0.15% FSO.																																
<i>Repeatability</i>	Within 0.10% FSO.																																
<i>Resolution</i>	Infinite.																																
<i>Natural Frequency</i>	<table><thead><tr><th>Range (PSI)</th><th>Frequency (kHz)</th><th>Range (PSI)</th><th>Frequency (kHz)</th></tr></thead><tbody><tr><td>0-200</td><td>3.5</td><td>0-2000</td><td>30.0</td></tr><tr><td>0-250</td><td>5.5</td><td>0-2500</td><td>35.0</td></tr><tr><td>0-300</td><td>7.0</td><td>0-3000</td><td>40.0</td></tr><tr><td>0-500</td><td>12.0</td><td>0-3500</td><td>42.0</td></tr><tr><td>0-750</td><td>16.0</td><td>0-4000</td><td>45.0</td></tr><tr><td>0-1000</td><td>20.0</td><td>0-5000</td><td>50.0</td></tr><tr><td>0-1500</td><td>26.0</td><td></td><td></td></tr></tbody></table>	Range (PSI)	Frequency (kHz)	Range (PSI)	Frequency (kHz)	0-200	3.5	0-2000	30.0	0-250	5.5	0-2500	35.0	0-300	7.0	0-3000	40.0	0-500	12.0	0-3500	42.0	0-750	16.0	0-4000	45.0	0-1000	20.0	0-5000	50.0	0-1500	26.0		
Range (PSI)	Frequency (kHz)	Range (PSI)	Frequency (kHz)																														
0-200	3.5	0-2000	30.0																														
0-250	5.5	0-2500	35.0																														
0-300	7.0	0-3000	40.0																														
0-500	12.0	0-3500	42.0																														
0-750	16.0	0-4000	45.0																														
0-1000	20.0	0-5000	50.0																														
0-1500	26.0																																
<i>Proof Pressure Rating</i>	Application of 1.5 times FS pressure will not cause any change in performance characteristics.																																
<i>Burst Pressure Rating</i>	Greater than 2.5 times rated FS pressure.																																
<i>Compensated Temperature Range</i>	-65°F to +250°F (-54°C to +121°C). Options available.																																
<i>Operating Temperature Range</i>	-100°F to +300°F (-73°C to +149°C). Options available.																																
<i>Thermal Sensitivity Shift</i>	Less than ±0.005% FSO per °F over compensated temperature range (±0.009% FSO per °C).																																
<i>Thermal Zero Shift</i>	Less than ±0.010% FSO per °F over compensated temperature range (±0.018% FSO per °C).																																
<i>Triaxial Mechanical Shock</i>	1000 G's for 1 millisecond duration or 100 G's for 11 milliseconds duration, any axis.																																
<i>Acceleration Error</i>	Less than ±0.005% FSO/G, any axis, 30 G peak 50 to 2000 Hz or 1.0 inch DA from 5 Hz to 50 Hz.																																
<i>Vibration Error</i>	Less than ±0.005% FSO/G along most sensitive axis.																																
<i>Excitation</i>	10 volts dc or ac rms recommended. 15 volts dc or ac maximum.																																
<i>Input Resistance</i>	350 ±3.5 ohms at +70°F (+21°C). Input circuitry symmetrical.																																
<i>Output Resistance</i>	350 ±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 external thread per MS33656-4 is standard. Options available.
<i>Pressure Cavity Volume</i>	0.12 in <sup>3</sup> (1.97 ml) including MS33656-4 fitting.
<i>Electrical Receptacle</i>	Stainless steel hermetic receptacle to mate with MS3116-10-6S. Standard wiring: Excitation +A, -D; Signal +B, -C; No Connection E, F. Options available.
<i>Enclosure Weight</i>	Entirely welded and hermetically sealed stainless steel. Approximately 5 ounces (140 g).



### Warranty: