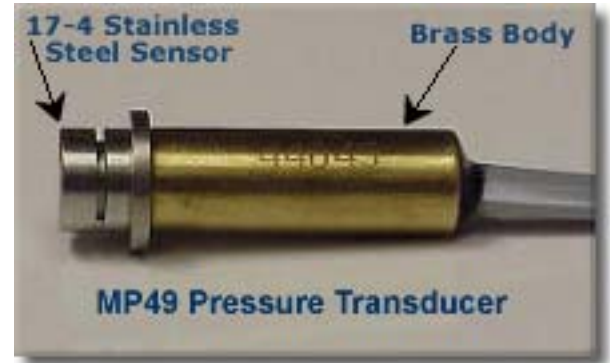


Micron's Model MP49 is a flush mountable, miniature, inexpensive, pressure transducer. The sensing head is machined out of 17-4PH corrosive resistant steel. High reliability bulk type semiconductor strain gages are bonded directly to the inside surface of the sensor diaphragm. The brass body contains the sensor bridge completion elements, to which a 6 foot four-conductor cable is attached.



MP49 PRESSURE TRANSDUCER

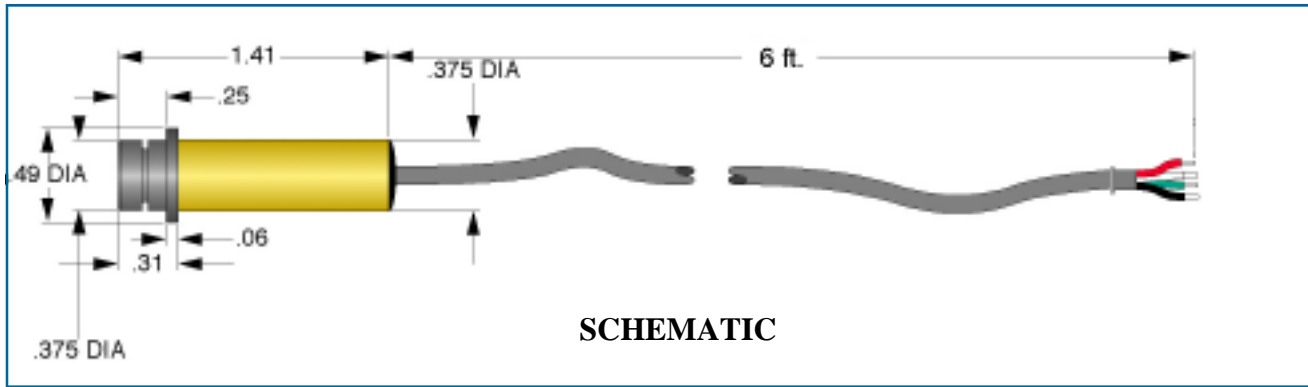
Applications

- Production Equipment & Controls
- Energy Controls
- Laboratory Instruments & Equipment
- Hydraulic Controls
- OEM Instruments

Features

- Low cost, perfect for OEM applications
- Quick recovery from large thermal transients
- High pressure over range with no balance shift

MECHANICAL	
Standard Pressure Ranges	300, 500, 1k, 3k, PSI
Over Pressure (No Change Out of Spec)	2.0x Range
Usable Pressure (Small Change in Balance)	3.0x Range
Burst Pressure	6.0x Range
PERFORMANCE (PRESSURE)	
Balance (Zero) Output	± 3.00 mV
Full Scale Sensitivity	20.00 ± 2.00 mV/V
Static Error Band	± 0.50% FS
Thermal Balance (Zero) Shift	± 0.02 %FS/°F
Thermal Sensitivity Shift	± 0.02%FS/°F
Long Term Stability	± 2.00 %FS/Year
ENVIRONMENTAL	
Storage and Operating Temperature	0° -180°F
Compensated Temperature Range	30° - 130°F
Media Compatibility (wetted surface)	17-4PH Steel compatible Liquids & Gases
ELECTRICAL	
Input Constant Voltage Excited	5.0 Volts DC or AC
Maximum Voltage	30 V for short periods
Input Resistance (Nominal)	1700 ± 800.Ω
Output Resistance (Nominal)	850 ± 200. Ω
Insulation Resistance Minimum	50 M. Ω @ 50 VDC (Minimum)



Ordering Guidelines	Example
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 2px 5px;">A</div> <div style="font-size: 1em;">→</div> <div style="border: 1px solid black; padding: 2px 5px;">B</div> <div style="font-size: 1em;">→</div> <div style="border: 1px solid black; padding: 2px 5px;">C</div> </div>	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 2px 5px;">MP 49</div> <div style="font-size: 1.5em;">→</div> <div style="border: 1px solid black; padding: 2px 5px;">500</div> <div style="font-size: 1em;">→</div> <div style="border: 1px solid black; padding: 2px 5px;">G</div> </div>
A. Model (MP49)	Model MP49-500G is a model MP49 Transducer with a 500psi Pressure Range, vented to atmosphere with 6 foot of 4-conductor cable attached. Swagelok fittings-type SS-600-7-4 3/8 pipe to 1/4 NPT female are also available upon request.
B. Pressure Range PSI	
C. Vented to Atmosphere [G]	
For line pressure fittings and calibration adaptors, see Micron's Adaptor brochure.	

MP49Pricing		Terms & Conditions	
Quantity	Price	Minimum Order: \$50.00	
1	\$95.00	FOB:	Simi Valley, California
5	\$93.00	Terms:	Net 30 Days Credit Cards: Visa, Master Card, Amex
10	\$86.00	Effective Date:	January 2006
25	\$77.00	<i>Prices Subject to Change without Notice</i>	
50	\$66.00	Issue Date	January 2006