

MSP-600 New High Accuracy, Digitally Compensated EMI/RFI Protected Stainless Steel Isolated Pressure Transducer



- High Accuracy
- Low Cost OEM
- 100% Leak Proof

Features

High Accuracy
Digitally Compensated
One-piece Stainless Steel Construction
Ranges up to 10,000 PSI or 700 BAR
Amplified Outputs
Wide Operating Temperature Range
Low Pressure Configuration



Pumps and Compressors
Hydraulic/Pneumatic Systems
Off Road/Mobile Equipment
Energy and Water Management
Pressure Instrumentation
Refrigeration Equipment
Agriculture Equipment
Train Braking Systems





Description

The MSP series pressure transducers set a new price-performance standard for low cost, high volume, commercial and industrial applications. This series is suitable for measurement of liquid or gas pressure, even for difficult media such as contaminated water, steam, and mildly corrosive fluids or gases.

The transducer pressure cavity is machined from a solid piece of 17-4 PH stainless steel. The standard version includes a 1/4" NPT pipe thread allowing a leak-proof, all metal sealed system. There are no "o"-rings, welds or organics exposed to the pressure media. The durability is excellent.

Measurement Specialties proprietary Microfused technology, derived from demanding aerospace applications, employs micromachined silicon piezoresistive strain gages, fused with high temperature glass to a stainless steel diaphragm. This approach achieves media compatibility simply and elegantly providing an exceptionally stable sensor without the p-n junctions of conventional micromachined sensors.

This product is geared to the OEM customer using medium to high volumes. The standard version is suitable for many applications, but the dedicated design team at our Transducer Engineering Center stands ready to provide a semi-custom design where the volume and application warrants.

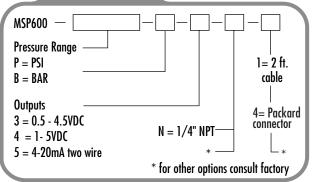
SPECIFICATIONS

5)

ENVIRONMENTAL

1	Operating temperature range	-40° to 100°C (125°C available, consult factory)
Г	Compensated temperature range	-20° to 85°C (125°C available, consult factory)
١	Total error band (over compensated temperature range)	$<\pm$ 1% of FS (75-10,000 PSI) $<\pm$ 1.5% of FS (25-50 PSI)
Γ	Storage temperature range	-45° to 100°C
	Shock	50g, 11 msec half sine shock per MIL standard 202F, method 213B, condition A
	Vibration	± 20 g MIL-STD-810C, Procedure 514.2, Figure 514.2-2, curve L
	EMI/RFI Immunity	EN 50081-2 EN 50082-2 (10V/M, 26-1000MHz) EN 61326 (Effective July 1, 2001)
	Humidity	95% RH, condensing

ORDERING

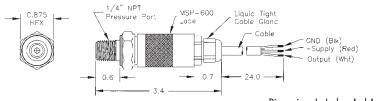


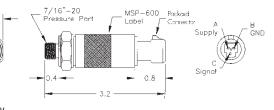
Electrical Connections:

0.875 HEX

Outputs: 3/4 5

Red +Supply Red +Supply Black Ground Black Output White Output





Dimensions In Inches And Are Reference Only

UNITED STATES

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