MICRO CONTROL SYSTEMS

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The MCS-STATIC-5" Specifications & Description

Physical Characteristics

Range	0.00-5.00 inches WC
Accuracy	±1% FSO
Stability	< 1% FSO / yr
Thermal Effects	< ±3% (over compensated range)
Overpressure	20psi or 2xFSP, whichever is greater
Compensated Range	+50°F to 122°F (+10°C to +50°C)
Adjustments	Fine Null
Media	Limited only to media that will not attack polyester, silicon or fluorosilicone. Liquids are allowed on either or both sides
Environmental	Condensing OK, Temperature 0°C to +65°C
Input Supply	12-24vdc / 24vac
Supply Current	10mA maximum
Load	2K ohms minimum on voltage out
Output Signal	1.00-5.00vdc
Switch Selectable	Output Signal, Pressure Range
Termination	Removable screw terminal block
Size	3.0" X 2.6" X 1.5" with mounting flanges
Pressure Connections	Barb fitting for 1/8"

Part # **MCS-STATIC-5"**

Product Description

The MCS-STATIC-5" differential pressure transducer is a versatile device designed to handle dry air, inert gas and even some water applications. It accepts 15-24vdc or 24vac for input power and outputs a 1-5vdc linear signal which is proportional to 0-5 inches of water column (WC).

The MCS-STATIC-5" differential pressure transducer is designed to measure duct static pressure in order to control the speed of evaporator fans in VAV applications or module bypass dampers. It can also be used for measuring the pressure drop across filter media to determine when the filter needs changing.

Other output pressure ranges are available. Contact MCS for more information.