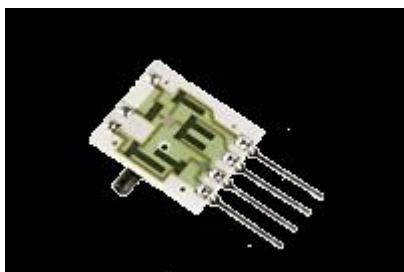


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Part Number: 30 INCH-D1-MV-MINI



1 Inch to 20 Inch H2O

This two package configuration of pressure sensors are for use in non invasive blood pressure measurement. The output voltage is ratiometric to the supply voltage and is offered in either millivolt or amplified output configuration.

All parameters are measured at room temperature unless otherwise specified. Pressure measurements are with positive pressure applied to port B.

SPECIFICATIONS

Pressure Sensor Line	Miniature Low
Pressure Port Orientation	Same Directional Pressure Ports
Compensated Temperature Range	0 to 70 °C
Operating Temperature Range	-25 to 85 °C
Storage Temperature Range	-40 to 125 °C
Humidity Limits	0 to 95 %RH
Minimum Output Span Voltage	V 19.0 mV
Nominal Output Span Voltage	V 20.0 mV
Maximum Output Span Voltage	V 21.0 mV
Output Span Voltage Range	V 19.0 to 21.0 mV
Package Series Description	Millivolt Side Port
Operating Mode (Differential, Gauge, Absolute)	Differential
Supply Voltage Vs (DC)	16 V
Nominal Linearity (Hysteresis Error)	0.05 %fs
Maximum Linearity (Hysteresis Error)	0.25 %fs

Linearity Range (Hysteresis Error)	0.05 to 0.25 %fs
Number of Port	Two
Common-mode Pressure	10 psig
Maximum Lead Temperature	250 °C
Operating Pressure	0 - 30 inch H ₂ O
Nominal Operating Differential Pressure	30.0 inch H ₂ O
Maximum Offset Voltage at Zero Differential Pressure	±500 µV
Maximum Offset Voltage (Temperature Shift 0°C - 70°C)	±150 µV
Maximum Offset Voltage (Warm-up Shift)	±50 µV
Maximum Offset Voltage (Position Sensitivity 1g)	±5 µV
Maximum Offset Voltage (Long Term Drift 1 Year)	±100 µV
Maximum Span Shift (0°C - 70°C)	±200 µV