

SS40L – 42L DIFFERENTIAL PRESSURE TRANSDUCER

SS40L	±2.5 cm H ₂ O
SS41L	±12.5 cm H ₂ O
SS42L	±25 cm H ₂ O



The SS40L-SS42L series differential pressure transducers are designed for low range pressure monitoring. The transducers plug directly into the MP3X general-purpose differential amplifier. The differential pressure ports are located on the front of the transducers and are easily connected to breathing circuits, pneumotachs or plethysmograph boxes. These transducers are very useful for interfacing a variety of small animal pneumotachs or plethysmographs to the MP System. The transducers are extremely sensitive and come in three ranges to suit a number of different applications. RX137 flow heads connect to the SS41L differential pressure transducer via standard 4 mm ID tubing. Included with each SS46L-SS52L.

SS40L – 42L Specifications

Voltage output (normalized to 1 volt excitation)

SS40L:	330 μ V/cm H ₂ O
SS41L:	130 μ V/cm H ₂ O
SS42L:	65 μ V/cm H ₂ O
Warm-up Drift:	±50 μ V
Stability:	±100 μ V
Dynamic Response:	100 Hz
Connection Ports/ID tubing Accepted:	3 mm to 4.5 mm
Dimensions: (high) x (wide) x (deep):	8.3 cm x 3.8 cm x 3.2 cm
Weight:	76 grams
Operating Temperature (compensated):	0 to +50 °C