

**SS63L – SS83L FORCE TRANSDUCER SERIES**

- SS83L** Force Transducer – 20 g
- SS63L** Force Transducer – 50 g
- SS64L** Force Transducer – 100 g
- SS65L** Force Transducer – 200 g
- SS66L** Force Transducer – 500 g

Force transducers are devices capable of transforming a force into a proportional electrical signal. The SS63L-SS83L series force transducer elements are cantilever beam load cells incorporating thin-film strain gauges. Because the strain elements have been photolithographically etched directly on the strain beam, these transducers are rugged while maintaining low non-linearity and hysteresis. Drift with time and temperature is also minimized, because the strain elements track extremely well, due to the deposition method and the elements close physical proximity. Forces are transmitted back to the beam via a self-centering pull-pin to insure accurate force measurements. The cantilever beam is mounted in a sealed aluminum enclosure that includes a 3/8" diameter mounting rod for holding the transducer in a large variety of orientations.

**SS63L – SS83L Specifications**

Noise: with 10 Hz LP filter:	2.5 mg
with 1 Hz LP Filter:	1.0 mg
Temperature:	-10° C to 70° C
Mounting rod:	9.5 mm (diameter), variable orientation
Weight:	250 g
Dimensions (L x W x Thick):	100 mm x 19 mm x 25 mm
Cable Length:	3 meters
Interface:	Dsub9 connector to MP3x/4x hardware