

## SS5LB RESPIRATORY EFFORT TRANSDUCER



The SS5LB transducer is used to record respiration via chest or abdomen expansion and contraction. This transducer is useful for determining how deeply someone is breathing and for calculating the person's breathing rate or respiration rate. The transducer is a strain assembly that measures the change in thoracic or abdominal circumference. The strap presents minimal resistance to movement and is extremely unobtrusive.

Due to its novel construction, the SS5LB can measure extremely slow respiration patterns with no loss in signal amplitude while maintaining excellent linearity and minimal hysteresis. The conductance of the gauge is linear with applied stretch to belt. As belt length increases, voltage output (reflected at amplifier output) increases, as gauge conductance increases and gauge resistance decreases.

The respiratory effort transducer has a 2-meter flexible lightweight cable. The center plastic housing protects the delicate sensor within.

The transducer is attached by a fully adjustable nylon strap, which allows the transducer to fit almost any circumference.

To attach the nylon belt to the transducer, thread the strap through the corresponding slots on the sensor assembly. Place the transducer around the body at the level of maximum respiratory expansion (generally about 5cm below the armpits). At maximum expiration, adjust the strap so there is slight tension to hold the strap around the chest.

## SS5LB SPECIFICATIONS

Response:	True DC
Circumference Range:	9 cm – 130 cm (Can be increased with a longer nylon strap)
Interface:	MP36/35/30/45
Dimensions:	95 mm (long) × 47mm (wide) × 15mm (thick)
Weight:	9 grams
Sterilizable:	Yes (contact BIOPAC for details)
Cable Length:	2 meters (flexible, lightweight)
Connector Type:	9 Pin DIN