

Product Code . JL-MLLE-9158

Strain Gauge Transducers



Description

Strain Gauge Transducers

Piezo resistive transducer for strain measurement.

Micrometer 0-20 mm (Accuracy 0.01 mm) for strain generation.

Experiments on Gauge factor determination, Strain indicator, Displacement measurement using Strain gauges.

Strain gauges mounted on cantilever in half and full Wheatstone bridge and instrumentation amplifier with Zero and span adjustment for calibration.

Speed Sensing Transducers:-

F to V Converter with span and zero amplifier.

Individual signal conditioning circuit with programmable threshold comparator.

12V DC motor with speed varying from 0-4000 rpm and rotating slotted wheel having 8 slots.

Sound Sensing Transducers:-

40 KHz gated oscillator to generate Ultrasonic sound waves.

V to I function block to convert voltage O/P into 4 to 20 m A current loop

Sound Sensors:-

Ultrasonic Distance Measuremet.

Dynamic microphone as Sound/ Audio sensor.
