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Product Name :
Strain Gauge Training System

Product Code :
LBNY-0005-1090005



Description :

Strain gauges are used extensively in sensor systems to detect forces, moments and deformations. Three test specimens for tension, bending and torsion are each fitted with four strain gauge measuring points. The experimental unit provides a wide-ranging introduction to the fundamentals of measurement by strain gauges. The strain gauges are wired in the full bridge. The specimens are loaded incrementally allowing for the strain reading to be sequentially monitored. The specimens can be inserted quickly and precisely into the frame. The digital display also features a zero balancing function to allow for any preloading. The strain gauge measuring range is protected by a Plexiglas cover, which also makes it clearly visible for inspection purposes. The measurement amplifier supplies the bridge supply voltage, and displays the load-dependent "bridge detuning" digitally in voltage values.

Technical Specification :

Experimental unit investigating the fundamentals of strain gauge measurement
Strain gauge application areas protected by Plexiglas cover
Steel test bodies
Frame to house the measuring objects
Box to house the components
Tension, bending and torsion tests each with strain gauge measuring points in full bridge circuit
Measurement amplifier with 4-digit digital display.

Laboratory Instrument India

