



THE LAB EQUIPMENT

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Product Name :

Strain Gauge Trainer

Product Code :

SLE/ETP/12



Description :

- The compact Strain Gauge Trainer fits on a bench or desktop.
- Contains everything needed to show students how resistance strain gauges work on three different structures.
- Students use the small set of masses to load the bending and torsion systems, and the large set of masses to load the tension system.
- They use theory and known dimensions to calculate the stresses and strains and compare them with the strains measured by the strain gauges.
- The bending system uses gauges to measure direct tensile and compression strain.
- The torsion system shows the use of shear/torque strain gauges.
- Students can also connect and compare the performance of quarter, half and full-bridge strain gauge connections for each structure.

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