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Product Name :
Bending Stress In a Beam with Data Acquisition

Product Code :
SCHOOL-STU680002



Description :

Bending Stress In a Beam with Data Acquisition

Technical Specification :

An experimental apparatus to investigate the stresses and strains within a structure in relation to bending loads. The experiment hardware is a T-beam that fits onto a Structures Test Frame. The equipment includes a lead for connection to the Digital Force Display. Students adjust a load cell that bends the beam and, when connected to the optional Digital Force Display, it measures the bending force. Strain gauges and a digital strain bridge measure the strains in the beam. Dummy strain gauges compensate for temperature variation and balance the strain bridges. The Operation Manual provides details of the equipment including sample experiment results. The Operation Manual describes how to use the equipment and gives experiment procedures. Key features: High-quality structures Training module for students of mechanical, civil and structural engineering Realistic and verifiable experiment results Allows safe and practical experiments into bending stress in a beam Optional Structures Software package for extra 'virtual' experiments that simulate and confirm the results from your hardware and allow extended experiments Optional unit including Structures Software package for automatic data acquisition and virtual experiments.

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