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Product Name :Shear Force In A Beam

Product Code: LBNY-0005-13900057



Description:

A mechanism bridges the cut, which stops the beam collapsing and allows movement in the shear direction only. An electronic load cell measures the force, and connects to a Multi-Channel Digital Transducer Display. The beam fits onto a Multi Structures Test Frame. The experiment hardware is a simply supported beam with a cut. Students apply loads at set positions using hangers holding various masses.

Features:

Allows safe and practical experiments into shear force in a beam

Realistic and verifiable experiment results

Shows and proves the basic theory of shear force in a beam

High-quality structures teaching module for students of mechanical, civil and structural engineering Ideal for classroom demonstrations, or students working in pairs or small groups

Optional unit with Alls Structures Software package for automatic data acquisition and virtual experiments One of many interchangeable experiment modules from Alls modern, flexible and cost-effective Structures teaching system

Optional Alls Structures Software package for extra virtual experiments that simulate and confirm the results from your hardware and allow extended experiments.

Technical Specification:

Experiments:

Examination of various other loading cases and their effect on shear force, including loads traversing the beam Shear force variation with an increasing point load

Variation of shear force for various loading conditions.



Laboratory Instrument India