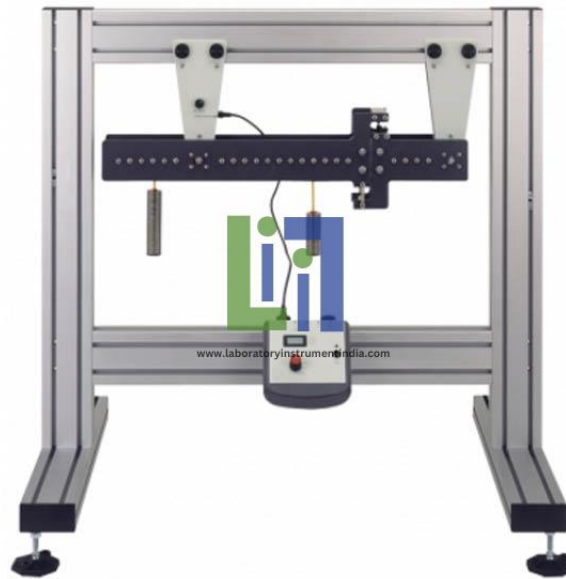




Email : sales@laboratoryinstrumentindia.com

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