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Product Name :
Bending Moments in a Beam Apparatus

Product Code :
LBNY-0005-13900061



Description :

The beam fixes to the Multi Structures Test Frame. Students apply loads at set positions using hangers holding various masses. The experiment hardware is a simply supported beam cut by a pivot. A Multi-Channel Digital Transducer Display displays forces during experiments. To stop the beam collapsing, a moment arm bridges the cut onto a load cell thus reacting (and measuring) the bending moment force.

Features:

- Allows safe and practical experiments into bending moments in a beam
- Realistic and verifiable experiment results
- High-quality structures teaching module for students of mechanical, civil and structural engineering
- One of many interchangeable experiment modules from Alls modern, flexible and cost-effective Structures teaching system
- Ideal for classroom demonstrations, or students working in pairs or small groups.
- Shows and proves the basic theory of bending moments in a beam
- Optional Alls Structures Software package for extra virtual experiments that simulate and confirm the results from your hardware and allow extended experiments
- Optional unit with Alls Structures Software package for automatic data acquisition and virtual experiments.

Technical Specification :

Bending Moments in a Beam Apparatus



Laboratory Instrument India