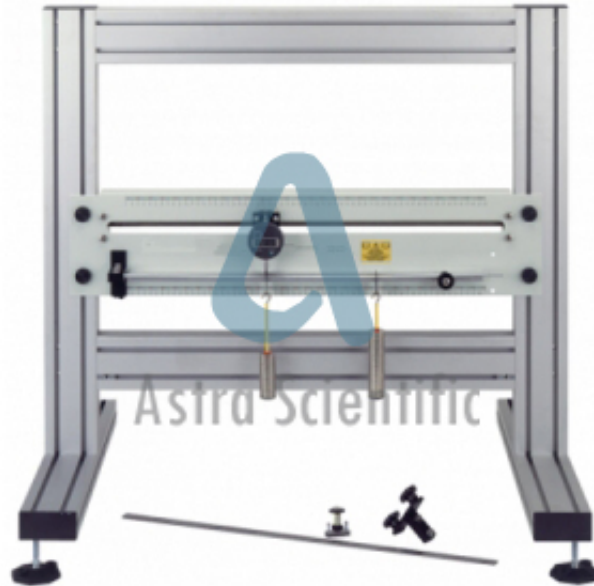


Product Name :
Deflection of Beams Apparatus

Product Code :
ASTSTRUCTURAL-0004



Description :

Deflection of Beams Apparatus

Technical Specification :

Description:

An experimental apparatus to investigate deflection and stability of beam and cantilever structures.

The experiment hardware consists of a backboard that fixes to the Structures Test Frame. Test beams fitted the backboard using a rigid clamp and knife-edge supports. Students apply loads at any position using hangers holding various masses. Mounted on a trammel, a digital deflection indicator traverses the beam. The indicator measures beam deflection. Scales on the backboard show the position of the indicator, the loads and supports.

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.

For extra 'virtual' experiments, supply the optional Structures Software, for use on a suitable computer. The virtual experiments simulate the tests you can perform with the hardware.

They also extend the choice of tests beyond that available using only the hardware, for example: higher loads, uniform loads or different test specimens. This extends the student's learning experience.

For automatic data acquisition of your experiment results, supply the optional Automatic Data Acquisition Unit. Supplied as standard Structures Software that displays and logs your experiment results and gives the extra virtual experiments.

Key features:

- High-quality structures Training module for students of mechanical, civil and structural engineering
- Allows safe and practical experiments into deflections of beams and cantilevers
- Realistic and verifiable experiment results
- Optional Structures Software package for extra 'virtual' experiments that simulate and confirm the results from your hardware and allow extended experiments
- Optional Structures Software package for automatic data acquisition and virtual experiments.



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