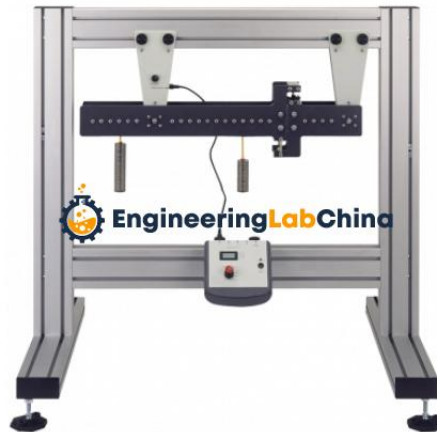


**Product Name :**  
Shear Force in a Beam Apparatus

**Product Code :**  
CHINAELABC2700006



**Description :**

Shear Force in a Beam Apparatus

**Technical Specification :**

A simply supported beam apparatus to demonstrate and investigate the bending moments and forces within a structure.

The experiment hardware is a simply supported beam 'cut' by a pivot.

The beam fixes to the Structures Test Frame.

Students apply loads at set positions using hangers holding various masses.

A Digital Force 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.

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:**

Realistic and verifiable experiment results

High-quality structures training module for students of mechanical, civil and structural engineering

Allows safe and practical experiments into bending moments 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 with Structures Software package for automatic data acquisition and virtual experiment.



**Engineering Lab China**