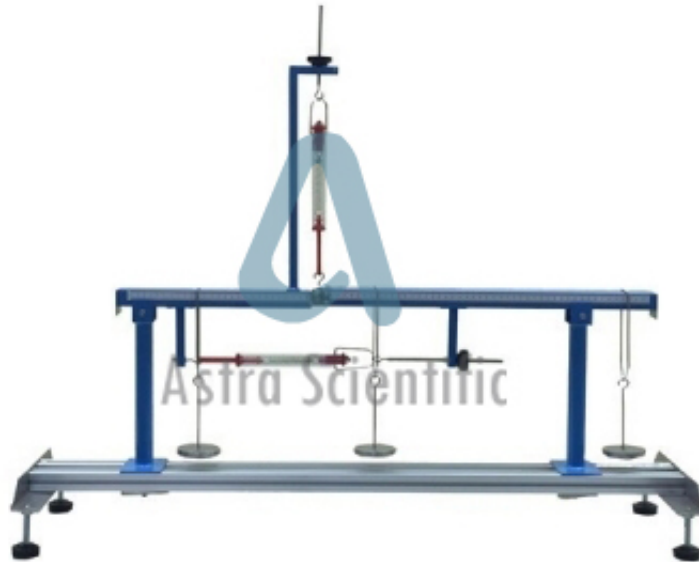


Product Name :
Astra Scientific Bending Moment Apparatus

Product Code :
Applied-Lab-0001



Description :

Astra Scientific Bending Moment Apparatus

Technical Specification :

The long and short sections of the teak wood beam are connected by hinge. A spring balance with adjusting screw mounted at a fixed distance enables one to calculate the bending moment for any load position. Another special attachment with an adjustable screw is also provided. This along with a spring balance and its adjustable screw is used for determining the shear force at the hinge section.

SPECIFICATIONS:

1. Beam – 1 mtr. span with supports.
2. Bending moment measurement arrangement .
3. Shear force measurement arrangement.
4. Spirit level to restore the loaded beam to original position.

5. Weight set with loading hangers.

RANGE OF EXPERIMENTS:

- 1) Determination of shear force for different loading conditions.
- 2) Determination of bending moment for different loading conditions.
- 3) Influence line diagram for bending moment & shear force.

The technical manual accompanies the unit.

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Astra Scientific

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