



THE LAB EQUIPMENT

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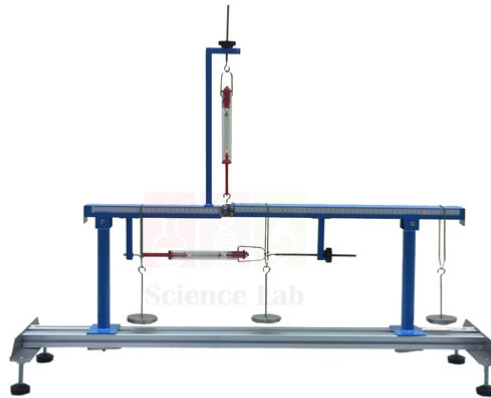
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**Product Name :**

Bending Moment Apparatus

**Product Code :**

SLE/MCE/23



## Description :

### Specifications:

- The long and short sections of the teak wood beam are connected by hinge.
- Shear force measurement arrangement.
- Beam – 1 mtr. span with supports.
- Weight set with loading hangers.
- Bending moment measurement arrangement .
- Spirit level to restore the loaded beam to original position.
- A spring balance with adjusting screw mounted at a fixed distance enables one to calculate the bending moment for any load position.
- This along with a spring balance and its adjustable screw is used for determining the shear force at the hinge section.

### Range of experiments:

- Determination of shear force for different loading conditions.
- Determination of bending moment for different loading conditions.
- Influence line diagram for bending moment & shear force.
- The technical manual accompanies the unit.

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