

**Product Name :**  
Bending Moment Apparatus**Product Code :**  
ELAB-APL0001**Description :**

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:**

Beam – 1 mtr. span with supports.

Bending moment measurement arrangement .

Shear force measurement arrangement.

Spirit level to restore the loaded beam to original position.

Weight set with loading hangers.

The technical manual accompanies the unit.

**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.

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# **LAB ENGINEERING**

**Elab Engineering Equipments Manufacturers**