▲ ALTEC[™]

Product Name : Deformation of Straight Beam	Product ALABS-A	
	ALTEC [™]	1
Description :		
Deformation of Straight Beam		
which the dimensions of the cro length and which is subjected to longitudinal axis. The load perp causes a deformation of the be the beam is viewed as a one-di strength of materials deals with application of load to a compon strength of materials can be illu beam under investigation can be produces statically determinate placed under load by up to four points are movable. Three dial Three articulated supports with support reactions directly. The height-adjustable, so as to com	A beam is a bar-shaped component in poss-section are much smaller than the pload along and perpendicular to its endicular to the longitudinal axis am - that is, bending. Based on its size, mensional model. The science of the stress and strain resulting from the ent. Many fundamental principles of the strated well by a straight beam. The se supported in different ways. This and indeterminate systems which are sets of weights. The load application gauges record the resulting deformation. integral force gauges indicate the	n

materials demonstrate the influence of the geometry and of the modulus

of elasticity on the deformation of the beam under load. The various elements of the experiment are clearly laid-out and housed securely in a storage system. The complete experiment setup is arranged in the frame. The well-structured instructional material sets out the fundamentals and provides a step-by-step guide through the experiments.

Specification:

- 1. Elastic lines of statically determinate and indeterminate beams under various clamping conditions
- 2. 3 steel beams with different cross-sections
- 3. 1 brass and 1 aluminium beam
- 4. 3 articulated, height-adjustable supports with force gauge
- 5. 1 support with clamp fixing
- 6. Force gauges can be zeroed
- 7. 3 dial gauges to record deformations
- 8. 4 sets of weights with adjustable hooks
- 9. Anodised aluminium section frame housing the experiment
- 10. Storage system to house the components

Technical Data:

Beam

- length: 1000mm
- cross-sections
- 3x20mm (steel)
- 4x20mm (steel)
- 6x20mm (steel, brass, aluminium)
- Frame opening: 1320x480mm

Measuring ranges

- force: -50..+50N, graduations: 1N
- travel: 0...20mm, graduations: 0,01mm

Weights

- 4x 2,5N (hanger)

- 4x 2,5N

- 16x 5N

▲ ALTEC[™]

Equipments Exporters

Website: www.equipmentsexporters.com, Email: sales@equipmentsexporters.com Address: 75, Lajpat Nagar-IV, New Delhi-110024 Phone: +91-9311469084