

DEFORMATION OF STRAIGHT BEAMS

RS 036

Description:

This device allows examining the elastic deformation in beams. The device is composed of a main chasis on which different parts such as load hangers, the beam, load cells and pin supports are mounted. Loading pans are installed at different points for loading, and the desired load can be applied by putting weights on them. Also, dial gauges are utilized to measure the deflection of the frame at different points .

Specifications:

- Three load cells to measure the forces created in the supports
- Types of supports (pin support and fix support) to perform various tests
- Loading using weights and weight hanger
- Indicator to display the load exerted on the frames
- Dial gauges to measure and observe the amount of displacement
- Appropriate equipment related to the installation of load cells and dial gauges
- Props and holders
- Aluminum Structure
- Different beam specimens
- Installation and training video included
- Instructions manual included
- 10-year warranty

Note: Direct contact with the sales department is required to confirm the last updated technical specifications and pictures.

Applications:

1. Investigating the principle of superposition and virtual working method
2. Determining the beam deflection and its support reaction
3. Investigating the relation between the deformation of the beam and the applied loads
4. Validating theoretical values with experimental data
5. investigation of different loadig and support conditions

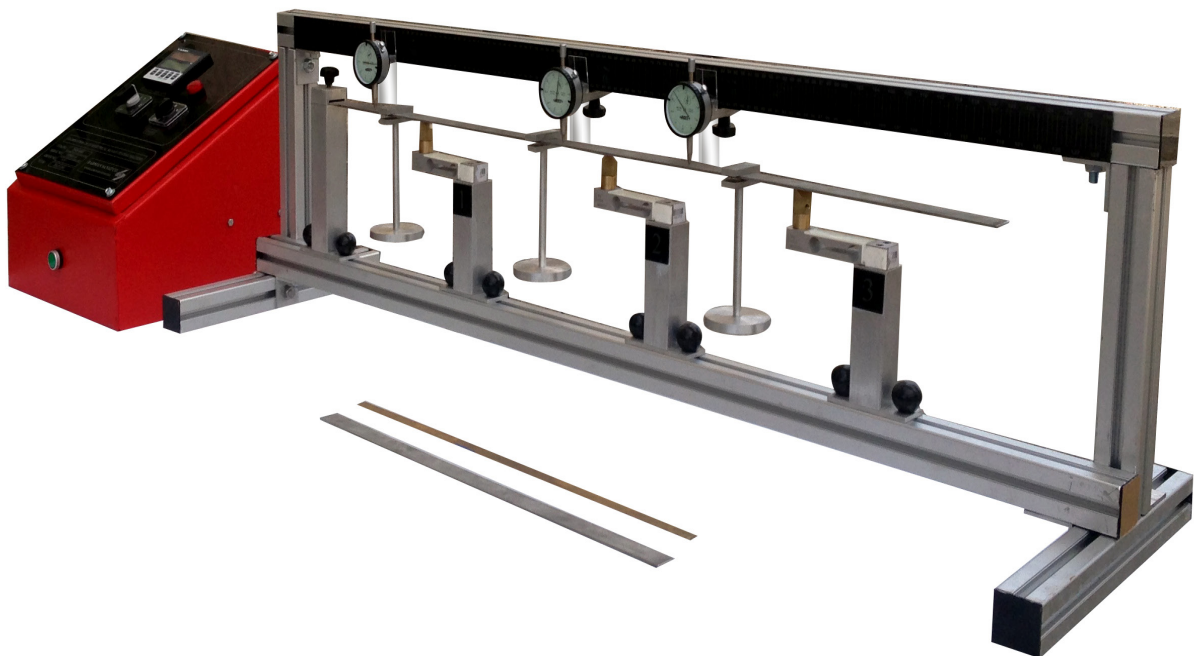
Required For Operation:

- 220 v Single Phase Electricity
- Desirable Temperature (°C): 10-30
- Relative Humidity: 15% - 80%



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Dimensions (L*W*H) mm:1400 x 400 x 400

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