

Product Name :
Experimental Set Free Vibration of a Bar

Product Code :
ALABS-A179-070



Description :

Experimental Set Free Vibration of a Bar

The bending bar can be mounted vertically (standing or hanging) or horizontally into the frame. By varying the free clamping length or moving additional weights, the natural frequency of the bar is changed. The bar is deflected manually to start damped vibrations. A non-contact position sensor measures the corresponding amplitudes. The additionally required sensor supply module processes the signal for its display on an oscilloscope (not supplied).

Specification:

1. Investigation of the free vibration of a bar
2. Elastic bending bar with movable weight
3. Bar can be mounted to all 4 sides of the frame
4. Inductive position sensor to measure oscillation amplitudes
5. Fixable meter rule

Technical Data:

Bending bar

- l x w x h: 635x20x3mm
- material: AlMgSi0.5F22
- Set of weights: 10x100g
- Sensor output signal
- analogue voltage level, proportional to position



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