



Email : sales@laboratoryinstrumentindia.com

**Product Name :**  
Experimental Set Free Vibration Of A Bar

**Product Code :**  
LBNY-0005-10100081



#### **Description :**

The bending 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 additionally required sensor supply module processes the signal for its display on an oscilloscope (not supplied). The bar is deflected manually to start damped vibrations. A non-contact position sensor measures the corresponding amplitudes.

#### **Technical Specification :**

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

#### **Technical Data:**

Sensor output signal  
Analogue voltage level, proportional to position  
Bending bar  
L x w x h: 635x20x3mm  
Material: almgSi0.5F22  
Set of weights: 10x100g  
Weight: approx. 6 kg.



**Laboratory Instrument India**