

**Product Name :**  
Vibration of Spiral Spring Apparatus

**Product Code :**  
NLAB-MECHANICALAB240026



**Description :**

Vibration of Spiral Spring Apparatus

**Technical Specification :**

This unit is designed to determine the time period of spiral spring and its frequency. Spiral spring is a type of spring which is formed by a metallic strip wound around a rod at same point.

The apparatus consists of a shaft on which the spiral spring is attached. A metallic rod, containing masses at its edges, is used to deflect the shaft. The deflection can be measured through a protector and the extent to which the spring was deflected initially can also be found.

Specification

Investigation of vibrations on a spiral spring-rotating

mass system

Axis mounted on ball bearings

2 levers with sliding weights

Spiral spring

Integrated angle measuring scale mounted on axis

Wall mounting plate made of anodised aluminium

Vibration Of Spiral Spring Apparatus

#### Technical Data

Spiral spring

stiffness:  $c=238\text{Nmm}$

cross-section: 10x1mm

effective length: approx. 800mm

inside radius: 10mm

outside radius: 50mm

Levers made of stainless steel

diameter: 8mm

length: 154mm

arm radius of the rotating mass: 36...150mm

Angle measuring scale

0...360°

resolution: 1°

Base plate

wxh: 200x250mm

## Naugralabequipments

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