Product name:	Product code:
Vibration Of Spiral Spring Apparatus	APE-0027



Description

Vibration Of Spiral Spring Apparatus

Technical specification

- outside radius: 50mm
Weights made of stainless steel
- mass: 0.5kg
- diameter: 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

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.
Specifications:
[1] Investigation of vibrations on a spiral spring-rotating mass system
[2] Axis mounted on ball bearings
[3] 2 levers with sliding weights
[4] Spiral spring
[5] Integrated angle measuring scale mounted on axis
[6] Wall mounting plate made of anodised aluminium

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Technical Data
Spiral spring
- stiffness: c=238Nmm
- cross-section: 10x1mm
- effective length: approx. 800mm
- inside radius: 10mm