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**Product Name :**  
Filar Pendulums

**Product Code :**  
LBNY-0005-1400005



#### **Description :**

This product includes a rod and a circular plate to show the principles and use of simple harmonic motion theory in bifilar and trifilar pendulums. Filar Pendulums fits to the sturdy Test Frame for study or demonstration. Two suspension plates fix to the top of the Test Frame to hold the bifilar and trifilar pendulums

This product is part of a range that explores free vibrations in simple one degree of freedom systems.

It introduces students to key scientific terms such as:

Radius of gyration

Parallel axis theorem

Axis of rotation

Simple harmonic motion (SHM) and period of oscillation

Mass moment of inertia.

#### **Features:**

Supplied with lecturer guide and student guide

Union directives

#### **Technical Specification :**

#### **Experiments:**

Mass and period of bifilar and trifilar pendulums.

Position of mass on bifilar and trifilar pendulums.

Cord (support) positions and period of bifilar and trifilar pendulums.

Finding moment of inertia of an example machine part in two different axes.

Cord length and period of bifilar and trifilar pendulums.



**Laboratory Instrument India**