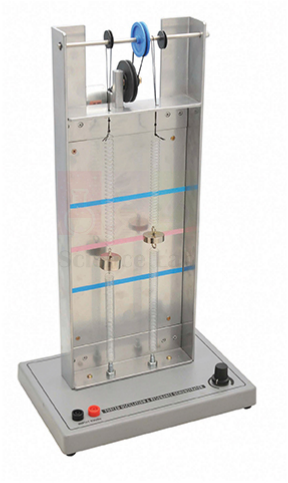
Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Forced Oscillation and Resonance Demo

Product Code :

SLE/PHY/176



Email : sales@scilabexport.com
Phone: +91-7082934803

Description :

Forced Oscillation and Resonance Demo (Product Code: SLE/PHY/176) is a motor-driven demonstrator used to show how an object vibrates under repeated impulses and when resonance occurs, in secondary and college physics classes. Two cams driven by a 6 V motor with speed control act on two weights of different natural frequencies, working together with four springs. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer and physics instruments supplier in India, at its own factory in Ambala.

Specifications

Parameter	Detail
Size	30 x 15 x 45 cm
Oscillators	Two weights of different natural frequencies
Drive	Two cams driven by a 6 V motor
Frequency control	Speed control to adjust the frequency of the applied force for resonance
Springs	Four
Documentation	Manual included
Power source	Not included
Product code	SLE/PHY/176
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Forced Oscillation and Resonance Demo Used For?

Start the motor slowly and raise the speed: at first both weights move only slightly, then one begins to vibrate strongly as the driving frequency matches its natural frequency while the other stays fairly calm. Increase the speed further and the second weight takes its turn. Resonance, and its dependence on natural frequency, becomes visible in a way equations alone cannot show, supporting the forced-vibration part of any SHM experiment kit used in Indian syllabi.

Because the speed control allows a wide range of driving frequencies, students can locate each resonance and discuss real examples such as swaying bridges and vibrating machines. Connect a suitable 6 V source, begin at low speed, and read the included manual before the first run.

What to Specify When Ordering

- A 6 V power source, since none is included with the demonstrator.
- The number of units for your physics department.
- Whether you would like other oscillation or resonance apparatus quoted in the same order.

OEM Manufacturer

Jain S ent
manu
licens