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Product Name :

Vibration Generator

Product Code :

SLE/PHY/126



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Description :

Vibration Generator (Product Code: SLE/PHY/126) is an electromechanical driver used to produce electronically controlled vibrations that set up waves on springs, strings and similarmedia in physics laboratories. Driven by a signal generator, it covers a frequency range of 30 to10,000 Hz from an electrical input of 5W, 1A maximum, in a compact 120 x 120 x 120 mm bodyweighing 1.5 kg. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala,India.

Specifications

Parameter	Detail
Function	Provides electronically controlled vibrations to generate waves
Drive signal	Used in conjunction with a signal generator
Frequency range	30 to 10,000 Hz
Electrical input	5W, 1A max
Dimensions	120 x 120 x 120 mm
Weight	1.5 kg
Product code	SLE/PHY/126
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Vibration Generator Used For?

Connected to a signal generator, the Vibration Generator turns an electrical signal into mechanical movement, so students can set up standing waves and change the frequency to find each resonant mode. With a wave spring attached, it illustrates mechanical wave properties such as frequency, wavelength and interference in a way the whole room can see.

Start at a low amplitude, raise the frequency slowly until a clear pattern of nodes and antinodes appears, and record the frequency for each pattern. Keep the drive within the 5W, 1A maximum input and clamp the unit firmly so it does not creep across the bench. Used this way, it becomes the core of a wave motion kit for school and college practicals.

What to Specify When Ordering

- Signal source — a signal generator is needed to drive it; say if you want one quoted.
- Wave medium — whether a spring or string set-up should be quoted alongside.
- Quantity — the number of units for demonstration and student benches.

Supplier

The Vibration Generator is supplied by Jain Scientific Equipments Private Limited, which trades as ScienceLab from Ambala, Haryana. We source this driver and can combine it with signal generators, springs and other wave apparatus from our physics list, so a school or college can order a complete wave set-up through one supplier. Details of the company are on our company profile.

Rela

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