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Product Name :

Doppler Effect

Product Code :

SLE/PHY/158



Description :

Doppler Effect (Product Code: SLE/PHY/158) is a demonstration apparatus used to let a class hear the Doppler effect — the change in pitch from a moving sound source — in physics lessons on sound and waves. It consists of a plastic box with a sound source that runs on 9 V batteries (not included) and a strong string for whirling it in a circle. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Components	Plastic box with sound source; strong string for rotation
Power	9 V batteries (not included)
Length	13 cm
Height	8 cm
Width	9 cm
Demonstrates	The Doppler effect with sound
Product code	SLE/PHY/158
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Doppler Effect Apparatus Used For?

With the sound source switched on, the teacher whirls the box in a circle on its string. Students standing to one side hear the pitch rise as the box moves towards them and fall as it moves away, while the person swinging it hears an almost steady note because their distance from the box hardly changes. That contrast is a memorable way to show that the effect depends on relative motion between source and listener.

The demonstration leads naturally to everyday examples such as passing sirens, and to applications like speed measurement and the red shift of distant galaxies. Use a hall or open space, check the string and its attachment before each session, and keep students well back from the swinging box. It is a compact Doppler effect kit that fits into any sound wave experiment unit for schools in India and abroad.

What to Specify When Ordering

- Number of units required for your classes.
- Batteries — 9 V batteries are not included, so arrange them locally or ask us about adding them to the quotation.
- Any other sound and wave apparatus you want quoted at the same time.

Supplier

The Doppler Effect apparatus is supplied by Jain Scientific Equipments Private Limited, trading as Scien d wave enqui rkets