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Product Name :

Loudspeaker Unit

Product Code :

SLE/PHY/234



Description :

Loudspeaker Unit (Product Code: SLE/PHY/234) is a boxed 75 mm loudspeaker used to turnthe output of a signal generator or amplifier into audible sound for school physics experiments on sound and waves. The 8 ohm, 5W speaker is mounted in an ABS plastic box of 150 x 98 x 60 mm, with two 4 mm sockets for connection and a boss for retort stand mounting. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Loudspeaker diameter	75 mm
Resistance	8 ohm
Nominal power	5W
Housing	ABS plastic box
Box dimensions	150 x 98 x 60 mm (depth 60 mm; described as about 150 x 100 x 60 mm)
Connections	Two 4 mm sockets
Mounting	Boss for retort stand mounting
Product code	SLE/PHY/234
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Loudspeaker Unit Used For?

Connected to a signal generator with 4 mm leads, the unit lets a class hear how changing frequency changes pitch and how changing amplitude changes loudness. Teachers use it to explore the range of human hearing, to show interference patterns by driving two speakers from one source, and to supply sound for resonance-tube and standing-wave experiments.

The boss means the speaker can be clamped to a retort stand at any height and pointed exactly where it is needed, for example into the mouth of a tube or towards a microphone. Start each experiment at low amplitude and keep the drive within the speaker's 5W nominal rating. It is a handy item of physics lab equipment in India for any department teaching sound waves.

What to Specify When Ordering

- The quantity: one unit per bench, or two where interference experiments are planned.
- The signal generator or amplifier you will use, so we can check it suits an 8 ohm, 5W load.
- Whether retort stands or 4 mm connecting leads should be quoted as well.

Supplier

ScienceLab is the trading name of Jain Scientific Equipments Private Limited, based in Ambala, Harya d labor and stand age.