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Product Name :

Bell In Glass Jar and Base

Product Code :

SLE/PHY/137



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Description :

Bell In Glass Jar and Base (Product Code: SLE/PHY/137) is a vacuum demonstration unit used to show that sound cannot travel through a vacuum, along with other properties of a vacuum, in school and college physics labs. It combines a sturdy baseplate with a tap, a glass bell jar and a detachable battery-operated bell, and works with a hand pump or, ideally, an electric vacuum pump. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Key Details

Parameter	Detail
Purpose	Demonstrating the properties of a vacuum
Base	Sturdy baseplate with tap
Jar	Glass bell jar
Sound source	Detachable battery-operated bell
Pump to use	Hand pump, or ideally an electric vacuum pump (not among the listed parts)
Product code	SLE/PHY/137
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Bell in Jar Apparatus Used For?

In the classic experiment the bell is switched on, the jar is placed over it on the base, and the class hears it ringing clearly. As the pump draws air out through the tap, the sound fades even though students can still see the hammer striking, which shows that sound needs a medium to travel. Opening the tap lets air back in and the ringing returns.

Schools often teach it together with a tuning fork set as a sound wave experiment kit for the secondary science chapter on sound. A thin film of vacuum grease on the jar rim helps it seal on the plate, and the glass should be checked for chips or cracks before every evacuation.

What to Specify When Ordering

- The number of Bell In Glass Jar and Base units required (one per demonstration bench is typical).
- Whether a hand vacuum pump or an electric vacuum pump should be quoted with it.
- Whether connecting tubing between the tap and the pump is needed.
- Whether batteries for the bell should be included in the quotation.

OEM Manufacturer

The Bell In Glass Jar and Base is an own-make product: Jain Scientific Equipments Private Limited, trading as ScienceLab, is the OEM and makes the unit at its own licensed factory at Saha
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