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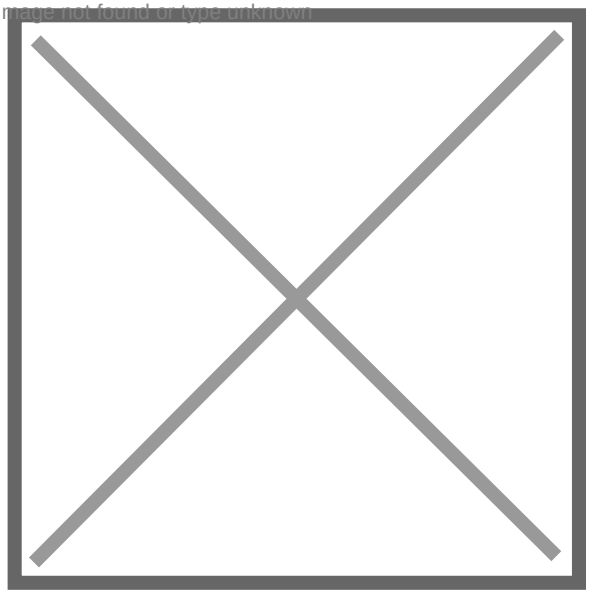
Product Name :

Demonstration Device of an Alarm from a Clock Under a Bell

Product Code :

SCL-345/031

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Description :

Demonstration Device of an Alarm from a Clock Under a Bell (Product Code: SCL-345/031)is a bell-jar vacuum apparatus used to prove that sound needs a medium to travel, in schoolphysics lessons on sound. An electric bell rings inside a glass cage while a vacuum pump drawsout the air, so the class hears the ringing fade even though the bell can still be seen working. It ismade by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer andlaboratory instruments supplier in India, at its own factory in Ambala.

Key Details

Parameter	Detail
Enclosure	Glass cage (bell jar)
Sound source	Electric bell
Seal and fittings	Rubber plug with two sockets; glass tube
Power	Electric power source
Connecting leads	Black conductor, 1 m; red connecting wire, 1 m
Air removal	Vacuum pump
Product code	SCL-345/031
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Bell Under a Glass Jar Demonstration Used For?

This is the classic “alarm clock under a bell jar” experiment, built here around an electric bell. The bell is connected through the rubber plug to the power source outside, switched on so everyone hears it clearly, and then the vacuum pump steadily removes air from the glass cage. As the air thins the sound grows faint, yet the striker keeps moving; letting air back in brings the ringing back.

The result shows that sound is a mechanical wave that needs particles to carry it, unlike light, which still reaches the students’ eyes through the evacuated jar. It is a staple of physics lab equipment for secondary classes studying sound. Check the glass for chips before each use, keep a safety screen or a clear distance while the jar is under vacuum, and let air in slowly before lifting the cage.

What to Specify When Ordering

- The number of demonstration sets — usually one per physics laboratory.
- The mains supply at your site, so the power source and vacuum pump arrangement can be confirmed — ask us.
- Whether a spare glass cage or rubber plug should be quoted for breakage cover.

OEM

Jain S
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