ESEL®

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BELL JAR EXPERIMENT

Explore the Science of Sound in a Vacuum.

OVERVIEW

The Bell Jar Experiment is an essential educational apparatus designed to demonstrate the propagation of sound and the effect of vacuum on sound transmission. It helps students visually and practically understand how sound waves require a medium to travel. Ideal for physics laboratories, schools, and science demonstrations.

FEATURES

- Demonstrates the propagation of sound in air and its absence in vacuum
- Clear bell jar for easy observation
- Built-in electric sounder (buzzer)
- Durable and leak-resistant design
- Easy connection with vacuum pump
- Ideal for classroom and laboratory use
- Enhances understanding of basic physics concepts

TECHNICAL SPECIFICATIONS

Product Name	:	Bell Jar Experiment
Jar Material	:	Transparent Polycarbonate
Jar Type	:	Bell Shaped with Base Flange
Top Cap Material	:	Rubber / Bakelite
Sound Source	:	Electric Buzzer
Terminals	:	4mm Socket Terminals (Red & Black)
Power Requirement	:	6V – 12V DC
Vacuum Connection	:	Provided at the Base
Dimensions (Approx.)	:	Height: 210 mm, Base Dia: 150 mm
Weight (Approx.)	:	0.4 kg (Approx.)
Usage	:	For Educational and Laboratory Use

APPLICATIONS

- Physics Laboratories
- Educational Demonstrations
- Sound Propagation Studies
- Science Exhibitions
- Training and Teaching Programs

WHAT YOU CAN LEARN

- Propagation of sound in a medium
- Effect of vacuum on sound transmission
- Concept of sound waves
- Practical understanding of acoustics
- Scientific observation and analysis

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