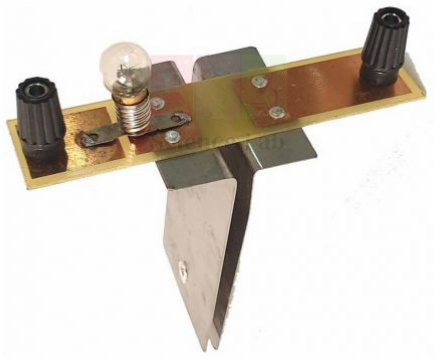
Email : sales@scilabexport.com
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Product Name :

Conductivity Demonstrator

Product Code :

SLE/CH/99



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Phone: +91-7082934803

Description :

Conductivity Demonstrator (Product Code: SLE/CH/99) is a simple classroom apparatus that shows at a glance whether a liquid conducts electricity. Two platinum electrodes are mounted on a non-conductive support together with a light globe and terminals; connected to a power source and dipped into a solution, the globe glows when the liquid carries a current and stays dark when it does not. Science and chemistry teachers in middle and secondary schools use it to separate electrolytes from non-electrolytes in front of the whole class. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, a school laboratory equipment supplier in India.

Specifications

Parameter	Detail
Electrodes	Two platinum electrodes
Mounting	Non-conductive support
Indicator	Light globe
Connections	Terminals for attaching the power supply
Power source	Battery pack or 6V power supply

Typical Use

Connect the terminals to a battery pack or 6V power supply, then lower the electrodes into a beaker of the test liquid. Salt solution or dilute acid lights the globe, while distilled water or sugar solution leaves it dark, which gives students a clear, visual contrast between ionic and molecular substances. Comparing the brightness across several solutions also opens a discussion of strong and weak electrolytes.

Rinse the electrodes in distilled water and blot them dry between samples so one solution does not contaminate the next, and disconnect the power before changing beakers. Platinum is chosen for the electrodes because it resists attack by the acids and salt solutions being tested. A chemistry lab instruments supplier can quote the demonstrator together with beakers and leads so the activity is ready to run.

Manufacturer

The Conductivity Demonstrator comes from **Jain Scientific Equipments Private Limited**, which operates under the **ScienceLab** name in Ambala, Haryana, India, producing science teaching apparatus. See our company profile for more about the business.

Related Laboratory Equipment

Items used alongside the demonstrator in a conductivity lesson:

- Glass Beaker — holds each test solution for the electrodes to dip into
- Crocodile Clips & Leads — for wiring the terminals to the power source
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- 6V
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