Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Perrin Tube D

Product Code :

SLE/PHY/308



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Description :

Perrin Tube D (Product Code: SLE/PHY/308) is an evacuated electron tube from the D range used to reproduce Jean Perrin's cathode-ray experiment, which shows that the electron beam carries negative charge, in university and senior school physics teaching. As a D-range tube ithas its electrical connections fixed on the tube itself, and it fits into a sequence of D-range tubesthat takes students from cathode rays to the properties of the electron. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, as part of its range of physics lab equipment in India.

Key Details

Parameter	Detail
Product type	Evacuated electron tube for Perrin's experiment
Range	D range, with connections fixed on the tube
Specification sheet	Sent on request with your quotation
Tube family	D type
Product code	SLE/PHY/308
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Perrin Tube D Used For?

Before the electron was identified, physicists argued over whether cathode rays were charged particles or a kind of wave. Perrin settled part of the question by catching the rays in an insulated collector and showing that it gained negative charge. In the classic teaching arrangement, a magnetic field steers the beam into the collector, a connected electroscope or electrometer responds, and when the beam is steered away the charging stops, tying the charge to the beam itself.

Among physics lab instruments in India, a tube like this is normally used as a teacher-led demonstration. It needs a suitable high-voltage supply, a D-range holder, a magnetic field source and a charge indicator, and the glass envelope must be handled with care. Confirm the operating voltages and accessory needs with us before ordering, as we send the specification with each quotation.

What to Specify When Ordering

- Whether you already have a D-range holder and Helmholtz coils.
- The high-voltage supply your laboratory uses, so we can check it suits the tube.
- Which charge indicator you will connect, such as an electroscope.
- The number of tubes required.

Manufacturer

Jain Scientific Equipments Private Limited, which operates under the ScienceLab name, manu nd intern he D-range ny.

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