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

Product Name :

Perrin Tube S

Product Code :

SLE/PHY/52



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Description :

Perrin Tube S (Product Code: SLE/PHY/52) is an evacuated electron tube from the S seriesused to repeat Jean Perrin's experiment, which shows that cathode rays carry negative charge, in college and senior school physics laboratories. It helps students connect a visible electron beam with the idea of the electron as a charged particle, a key step in any unit on the discovery of the electron. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala,India.

Key Details

Parameter	Detail
Product type	Evacuated electron tube for the Perrin experiment
Series	S series
Technical data	Ask us for the current specification sheet before ordering
Product code	SLE/PHY/52
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Perrin Tube Used For?

In Perrin's classic experiment, an electron beam is steered by a magnetic field into a charge collector linked to an electroscope or meter; the collector gains negative charge, showing that cathode rays are negatively charged particles rather than a form of light. The Perrin Tube S brings this historic result into the teaching laboratory as a clear physics demonstration for students in India studying atomic structure.

Electron tubes of this kind run at high voltages, so the tube should be set up and switched on by a teacher or technician, mounted in a suitable holder and connected with shrouded leads. Confirm the operating voltages, holder and coil requirements with us before ordering; we will send the specification with your quotation.

Manufacturer

Jain Scientific Equipments Private Limited, which trades as ScienceLab, manufactures the Perrin Tube S in Ambala, Haryana, India. The company manufactures the tube and will confirm its current specification and accessory needs in the quotation. Read more on our company profile.

Related Physics Lab Equipment

These items belong to the same S-series electron-beam teaching set as the Perrin Tube S:

- Electron Tube Holder S — mounting point for the Student (S) series tubes.
- Helmholtz Pair of Coils S — magnetic field source for S-series tubes.
- Thomson Tube S — S-series tube for measuring e/m.
- Perrin Tube D — the D-series version of the Perrin tube.
- Electroscope, Gold Leaf — classic charge indicator for the electrostatics lessons that lead into electron-beam work.

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