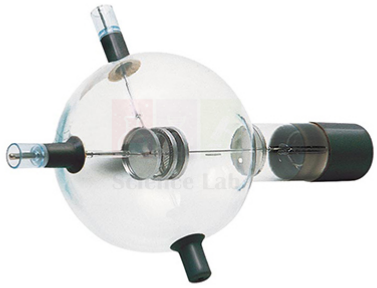
Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Teltron Diode D

Product Code :

SLE/PHY/304



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

Description :

Teltron Diode D (Product Code: SLE/PHY/304) is a thermionic diode tube from the Teltron D range used to demonstrate thermionic emission and the one-way flow of electrons in college and senior school physics laboratories. The D range is the original Teltron series, with the electrical connections fixed on the tube itself, and a diode of this kind is the classic vacuum tube characteristics experiment. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Key Details

Parameter	Detail
Product type	Thermionic diode demonstration tube
Range	Teltron D range (connections fixed on the tube)
Brand	Teltron (third-party brand)
Operating data	Heater and anode ratings confirmed on the specification sheet sent with your quotation
Product code	SLE/PHY/304
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Teltron Diode D Used For?

Inside a thermionic diode, a heated cathode releases electrons into the vacuum. They reach the anode only when it is positive with respect to the cathode, so current flows in one direction and not the other. This is the principle behind early valve rectifiers, and it lets students see the link between thermionic emission and rectification in a single piece of apparatus.

In a typical practical, the class varies the anode voltage in steps, records the anode current, and plots the characteristic curve to see how the current rises and then levels off. The tube is fragile evacuated glass, so a teacher or technician should mount it, make the connections to its fixed D-range terminals and switch the supplies on and off.

Supplier

Teltron is a third-party brand. Jain Scientific Equipments Private Limited, which trades as ScienceLab, supplies the Teltron Diode D from Ambala, Haryana, India, sourcing it for colleges, universities and schools that teach thermionic emission. We confirm the current specification and the holder and supplies the tube needs as part of every quotation. More about the company is on our company profile.

Related Physics Lab Equipment

Items that complete a thermionic diode practical or offer an alternative:

- Teltron Diode S — the S-range diode, whose connections sit on the stand
-
-
-