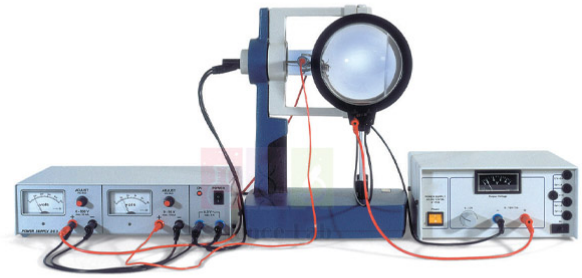
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Product Name :

Teltron Dual Beam Tube D

Product Code :

SLE/PHY/51



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Description :

Teltron Dual Beam Tube D (Product Code: SLE/PHY/51) is a semi-evacuated electron tubefilled with low-pressure helium and fitted with both a tangential and an axial electron gun, used tostudy electron collisions and the electron charge-to-mass ratio in physics laboratories. Excitedhelium atoms make the beams glow as fine luminescent lines, so students see the electron pathdirectly. It is supplied as the tube only by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**,Ambala, a physics instruments supplier in India.

Specifications

Parameter	Detail
Tube type	Semi-evacuated, filled with low-pressure helium
Electron guns	Tangential and axial
Max. filament voltage	7.5 V
Max. anode voltage	300 V DC
Anode current	Approx. 30 mA at 200 V (anode)
Max. deflection voltage	50 V DC
Scope of supply	Tube only; instructions included
Product code	SLE/PHY/51
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Dual Beam Tube Used For?

Fire the axial gun with a magnetic field along the tube axis and the fine, luminous beam lets students study impact excitation and particle collisions — a visual link between electron physics and kinetic gas theory. Switch to the tangential gun with the field perpendicular, and the beam bends into a closed pattern whose diameter gives the fundamental electron charge-to-mass ratio, a classic specific charge electron experiment.

Because the Teltron Dual Beam Tube D is sold as the tube only, plan the full set-up before ordering: a D-series holder, a Helmholtz coil pair for the magnetic field, and a supply able to provide up to 300 V DC on the anode, 7.5 V on the filament and 50 V DC for deflection. Departments that already own Teltron D-series accessories can simply add the tube.

What to Specify When Ordering

- Whether you need the Teltron Tube Holder D and Teltron Helmholtz Pair of Coils D, since the product is the tube only.
- A power supply covering 300 V DC anode, 7.5 V filament and 50 V DC deflection.
- A meter for monitoring the coil current.
- Number of tubes required.

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