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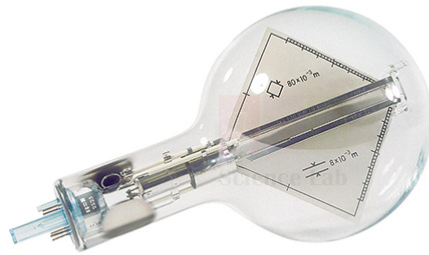
Phone: +91-7082934803

Product Name :

Teltron Thomson Tube S

Product Code :

SLE/PHY/309



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Description :

Teltron Discharge Tubes

The Teltron range of demonstration discharge tubes has been designed to show the properties of the free electron.

The D range is the original Teltron range with connections fixed on the tubes.

The S range is a newer range with connections on the stand rather than the tubes.

Other equipment for use with the Teltron tubes:

EHT Power Supply

Digital Meter with two shunts included

Shrouded Test Lead Red

Shrouded Test Lead Black

Teltron Thomson Tube S

High-vacuum electron tube with high-accuracy electron gun and ruled target phosphorescent screen.

Determine the fundamental electron charge-to-mass ratio (e/m), study mean electron velocities using field cancellation, and explore electron optics using this tube.

The electron beam trajectory can be manipulated using two methods :

Deflection induced by the electric field of the built-in plate capacitor,

Magnetically using external Helmholtz Coils S.

Technical Specifications :

Max. filament voltage: 6.3 V AC

Max. capacitor voltage: 500 V

Anode current: approx. 0.1 mA at 4 kV (anode).

Max. anode voltage: 5 kV

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