



THE LAB EQUIPMENT

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Product Name :

Teltron Maltese Cross Tube D

Product Code :

SLE/PHY/307



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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.

Teltron Maltese Cross Tube D

High-vacuum electron tube with divergent electron gun aimed at a fluorescent screen partially obscured by a Maltese cross.

Application of a magnetic field using the Helmholtz Coils allows for students to study the fundamental science of electron optics, such as beam focusing.

For demonstrating the linear propagation of electrons in the absence of applied electromagnetic fields by projecting the shadow of a Maltese cross onto the fluorescent screen.

Instructions included.

Other equipment for use with the Teltron tubes :

EHT Power Supply

Technical Specifications :

Anode current: approx. 0.1 mA at 4 kV.

Max. filament voltage: 6.3 V AC

Max. anode voltage: 5 kV

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