



Science Lab

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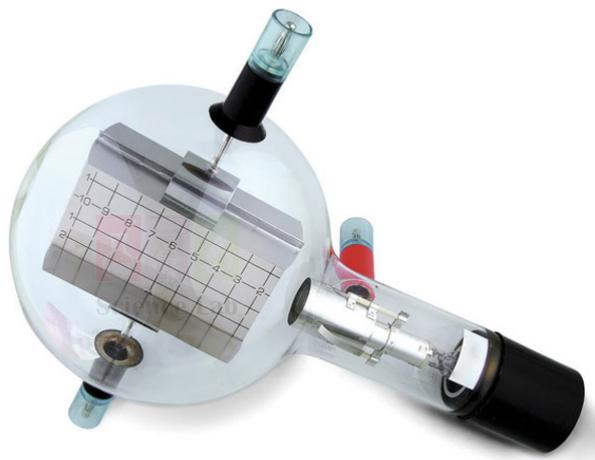
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Product Name :

Teltron Electron Deflection Tube D

Product Code :

SLE/PHY/44



Description :

Highly evacuated electron tube with focusing electron gun and fluorescent screen inclined relative to the beam axis, so that the path of the beam can be seen and the effects of electric and magnetic fields can be studied. By adjusting the electric field so that it cancels the magnetic deflection, it is possible to determine the specific charge e/m and the velocity of the electrons. The electron beam can be deflected electrically in the electric field of the built-in plate capacitor, and magnetically by using the Helmholtz coil pair D. Instructions included.

Specification :

Filament voltage : 6.3 V AC

Max. anode voltage : 5000 V

Glass bulb : approx. 130 mm diameter

Anode current : approx. 0.1 mA at 4000 V

Max. capacitor voltage : 5000 V

Fluorescent screen: approx. 90 x 60 mm²

Total length : approx. 260 mm.

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