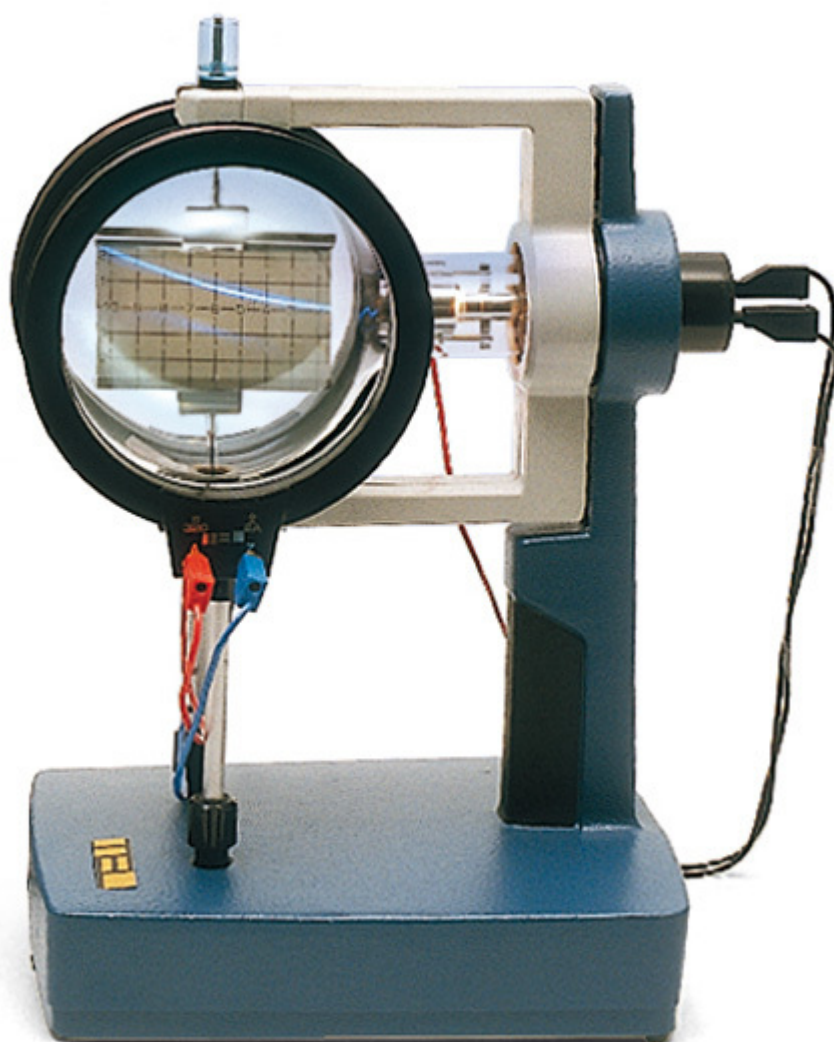


Electron Deflection Tube D

Order code: **5401.1000651**



Cena bez DPH

1.104,00 Eur

Price with VAT

1.335,84 Eur

Parameters

Quantitative unit

ks

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. 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 (U191051). 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.

- **Filament voltage:** 6,3 V AC
- **Max. anode voltage:** 5 000 V
- **Anode current:** approx. 0,1 mA at 4 000 V
- **Max. capacitor voltage:** 5 000 V
- **Fluorescent screen:** approx. 90 × 60 mm
- **Glass bulb:** approx. 130 mm dia.
- **Total length:** approx. 260 mm

Additionally required:

- 5401.U19100 Tube Holder D
- 5401.U138101 Set of Leads for Electron Tube Experiments
- 5401.U191051 Helmholtz Pair of Coils D
- 5401.U33010230 High Voltage Power Supply, 5 kV (230 V, 50 / 60 Hz) (2×)