

Perrin Tube S

Order code: **5401.1000616**



Cena bez DPH

698,00 Eur

Price with VAT

844,58 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 using two methods: 1) electrically using electric field of the built-in plate capacitor, or 2) magnetically using external Helmholtz Coils S (U185051). Also determine the fundamental electron charge-to-mass ratio (e/m) and study mean electron velocities using field cancellation.

- **Max. filament voltage:** 6,3 V AC
- **Max. anode voltage:** 5 kV
- **Max. capacitor voltage:** 500 V
- **Anode current:** approx. 0,1 mA at 4 kV (anode)
- **Glass bulb:** approx. 130 mm dia.
- **Luminescent screen:** approx. 85 mm dia.
- **Total length:** approx. 250 mm

Additionally required:

- 5401.U185001 Tube Holder S
- 5401.U138021 Set of 15 Safety Patch Cords, 75 cm

- 5401.U185051 Helmholtz Pair of Coils S
- 5401.U33010230 High Voltage Power Supply, 5 kV (230 V, 50 / 60 Hz)

Additionally recommended:

- 5401.U17250 Electroscope
- 5401.U19106 Auxiliary Coil