

## **Teltron Maltese Cross Tube D**

Order code: **5401.1000649**



Cena bez DPH

830,00 Eur

Price with VAT

1.004,30 Eur

Parameters

Quantitative unit

ks

High-vacuum electron tube with divergent electron gun aimed at a fluorescent screen partially obscured by a Maltese cross. 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. Application of a magnetic field using the Helmholtz Coils S allows for students to study the fundamental science of electron optics, such as beam focusing.

- **Max. filament voltage:** 6,3 V AC
- **Max. anode voltage:** 5 kV
- **Anode current:** approx. 0,1 mA at 4 kV
- **Glass bulb:** approx. 130 mm dia.
- **Luminescent screen:** 85 mm dia.
- **Total length:** approx. 260 mm

**Additionally required:**

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

**Additionally recommended:**

- 5401.U191051 Helmholtz Pair of Coils D