

LEEI-21 Electron Beam Demonstrator

- *Ideal for demo*
- *Low price*
- *Easy to use*



This electron beam demonstrator uses a gas-filled cathode-ray tube for electrostatically controlled beam deflection. When the electrodes in the tube are supplied with voltage, a beam of electrons emitted from the cathode is visible due to the illumination of the ionized inert gas impacted by the electrons.

Experimental Contents

1. Hot electron emission phenomenon
2. Rectilinear path of accelerated electrons in the absence of an external electric or magnetic field
3. Deflection of an electron beam within an electric field
4. Lorentz force exerted on an electron beam within a magnetic field

Parts & Specifications

Voltage of acceleration electrode	0 ~ 200 V continuously adjustable
Voltage of deflection plate	0 ~ 40 V continuously adjustable
	Voltage polarity: positive upper-plate, off, positive lower-plate
Power consumption	Approximately 8 W
Dimensions	210 mm × 140 mm × 210 mm
Weight	Approximately 1.5 kg

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Note: above product information is subject to change without notice.