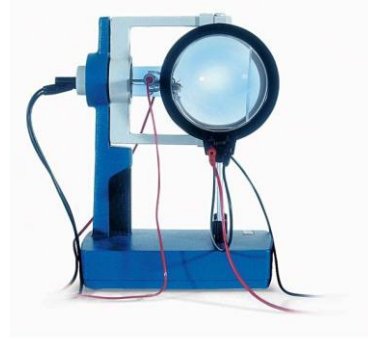


Double Fine Beam Tube, Gas Filled

MODEL NO : E8A49554

Helium filled, electron beams may be observed throughout the full length of their travel within the tube, a green glow being emitted during the gas/electron collisions. The tangential beam can be deflected by use of Helmholtz coils to produce a completely circular path permitting e/m measurements to be made.



Clear free path studies may be made and phenomena such as screen blanking due to charge build up on the screen may be observed. Within the tube are mounted two electron guns with indirectly heated cathodes, the one gun pointing along the axis of the tube, while the other is tangential to the axis, either gun being selected by a switch on the cylinder cap. The angle of projection from the guns is adjustable by means of miniature deflection plates near the gun outlets, a small potential being applied via 4mm connections at the side of the cylindrical neck. The end of the body has a phosphor coated screen for use with the axial gun.

- Anode voltage: 0 to 300V d.c.
- Anode current: 10 to 20mA.
- Heater voltage: 6.3V at 0.3A.
- Deflector voltage: 0 to 25V d.c.

Supplied complete with instructions.



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