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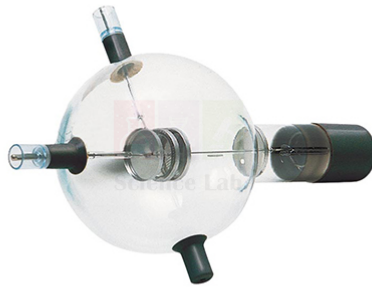
Phone: +91-7082934803

**Product Name :**

Teltron Diode D

**Product Code :**

SLE/PHY/304



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## Description :

### Teltron Discharge Tubes

The Teltron range of demonstration discharge tubes has been designed to show the properties of the free electron.

The D range is the original Teltron range with connections fixed on the tubes.

The S range is a newer range with connections on the stand rather than the tubes.

### Teltron Diode D

Teltron Tube Holder D allows the coils to be configured in the Helmholtz geometry or to produce magnetic fields aligned vertically, or coaxial, with respect to the tube axis.

Pair of Helmholtz coils for generating a uniform magnetic field perpendicular to the axis of the Teltron D series tubes.

The maximum field strength generated by the coils (~ 10 mT) is approximately 300 times weaker than that produced by an MRI machine (~ 3T), which are known to be safe for use by people with medical implants such as pacemakers.

### Other equipment for use with the Teltron tubes:

EHT Power Supply

Digital Meter with two shunts included

Shrouded Test Lead Red

Shrouded Test Lead Black

### Technical Specifications :

**Number of turns:** 320

**Effective impedance:** 6

**Max. field strength:** approx. 10 mT

**Max. continuous current:** 1.0 A

**Max. momentary current:** 10 min @ 1.5 A; 3 min @ 2 A

**Connectors:** 4-mm sockets

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