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**Product Name :**

EHT Power Supply

**Product Code :**

SLE/PHY/162



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## Description :

The adjustable 5KV output is fully isolated and the output is monitored by a digital display. Output current is electronically limited to 2mA and the outputs are also current limited by 100K resistors to avoid larger transient currents.

The switching transformer is specially wound so that the output maintains a stable voltage with time, as opposed to most other commercial brands where the voltage will drop with time.

An auxiliary output is provided to drive cathode heaters etc.

An Independent earth terminal is available for earthing of any one of the five output sockets.

In addition to the 0-5KV outputs, there are further outputs linked by 25M $\Omega$  resistors.

This provides EHT outputs appropriate for electrostatic experiments with a short circuit current of 60 $\mu$ A.

Continuously variable, 0-2.5KV or 0-5KV at a maximum current of 2mA.

Two secondary outputs with 25M $\Omega$  resistors (total 50M for 5KV range).

Auxiliary output, 6.3V a.c. at 1A, protected by resettable fuse.

Bright 12.5mm green LED display indicating EHT output.

EHT power supply suitable for driving Teltron tubes and electrostatic experiments.

Shrouded sockets suitable for standard 4mm plugs or shrouded plugs.

## Technical Specifications :

**Input:** 220V-240V, 50/60 Hz

**Output:** 0 to 5KV DC, 2mA or 2.5KV DC, 2 mA

**Mains supply:** 230V 5%, 50Hz

**Fuse:** 315mA (L)

Secondary outputs with 25M $\Omega$  safety resistors.

Auxiliary output of 6.3V AC, 1A for cathode heaters, protected by resettable fuse

Independent Earth Terminal for earthing of any one of the five output sockets.

**Dimensions:** 208 x 155 x 115mm (W x H x D).

Height including handle is 187mm.

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