PowerPro EHT Power Supply

inspire

- Output: 0-6 kV dc, 2 mA short circuit current
- Detachable IEC mains lead
- Shrouded sockets
- Designed specifically for use in school/college laboratories
- Current limited output: 0-6 kVdc, 50 µA with 50 MΩ resistor
- Auxiliary output: 6.3 V ac at 2 A for use with Teltron tubes
- Digital LED display of EHT output
- Separate earth socket - if floating output is not required
- Stackable metal case with integrated ABS handles
- **18 month manufacturer's warranty**

CE & CSA Certification to BSEN61010-2010
(EN 61010-1:2010 3rd Edition)

TRIPLE PROTECTION:

- Resettable short circuit protection for low voltage output and short circuit current limit on EHT
- Slow-blow fuse on mains input
- Split bobbin transformer with internal resettable fuse

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INDOSAW

PowerProEHTV2 : 181111

POWERPRO EHT POWER SUPPLY

Ideal for use with Teltron tubes and electrostatics experiments.

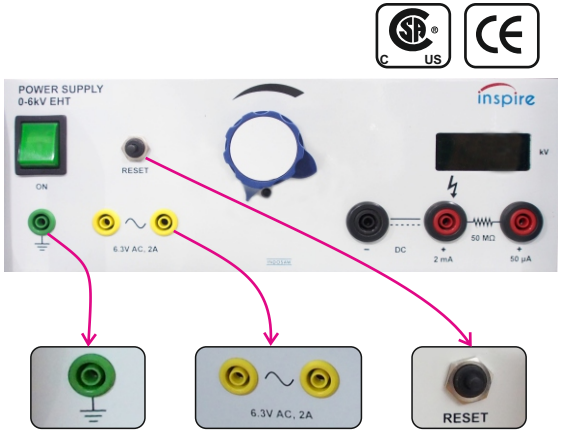
The PowerPro EHT power supply offers continuously variable 0-6 kV EHT with two outputs.

The left red socket, labelled 2 mA is limited to that current. The right red socket, labelled 50 µA, has a series resistor of 50 MΩ to limit the current to 50 µA.

Both outputs "float" relative to the black negative (-) socket, which is not a true earth.

A separate earth terminal is provided, to allow the EHT to be referenced to true earth (0V).

An auxiliary low voltage output is provided to drive cathode heaters.



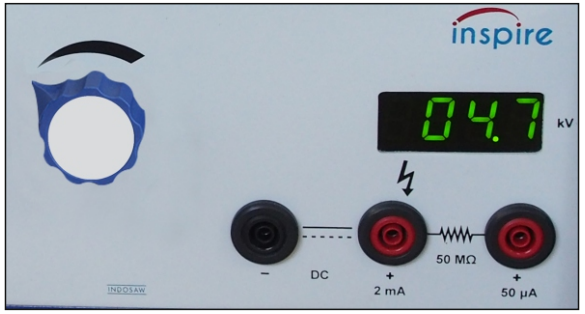
Auxiliary output

6.3 V ac at 2 A is provided to drive the heater in Teltron tubes.

In the event of a short circuit or overload on the auxiliary output, the supply is protected by a thermal trip. Operation can be restored by removing the cause and pressing RESET. A brief cooling period may be required before the supply can be reset.

EHT Outputs

The EHT output is continuously variable from 0-6 kV, adjusted by the control knob and shown on the LED display.



Reference to earth
If the black socket is connected to the green earth socket, then the two red EHT outputs will be positive (+) with respect to zero.
If either of the red sockets is connected to the green earth socket, then the black socket will be negative (-) with respect to zero.

This facility is necessary for some Teltron tubes.

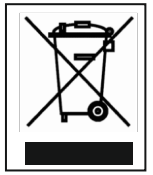
Fuse replacement

The mains socket on the back panel has a compartment for two fuses. It can be opened using a flat bladed screwdriver as shown.

The front fuse is a spare.
It is a 5 x 20 mm time delay or "slow blow" T-0.5A 250V fuse.

WEEE directive

This symbol indicates that the electronic equipment should not be disposed of in the normal waste.



It should be recycled in accordance with the WEEE directive.

Power input : 50 VA
Dimensions : 370 x 260 x 135 mm
Weight : 6 kg

Operating temperature range: 5 to 40°C
Operating humidity range: up to 80% RH
For indoor use only

IEC mains lead

This is protected by a standard 3A 250V fuse in the mains plug.

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