

High Tension Power Supply

Introduction

The unit is designed for use with valves, Teltron demonstration valves, ionisation chamber dosimeter, d.c. amplifier, parallel plate capacitor, Millikan oil drop apparatus, etc. and any other apparatus requiring up to 300V d.c. at low current.

Outputs

Three outputs are available - two smoothed d.c. outputs of 0 to 30V and 0 to 300V respectively and one 6V 2A a.c. output.

The d.c. outputs are continuously variable and supplied from two pairs of 4mm sockets colour-coded red/black. The a.c. output is available from a pair of 4mm sockets colour-coded white.

Each d.c. output has a separate control with the d.c. voltage indicated on the graduated scale. The d.c. outputs are available simultaneously and are fully floating i.e. neither output is internally referenced to earth potential.

The maximum current which can be drawn from the d.c. outputs is limited electronically to 60mA. Each d.c. circuit can withstand short term short circuiting.

WARNING: DO NOT DISCONNECT ANY EXTERNAL APPARATUS FROM THIS UNIT WHILE THE UNIT IS SWITCHED ON.