



OMEGA TYPE HVPS-1500 Power supply, principle of operation is entirely different from conventional supplies, and thereby eliminating many drawbacks; bulky high voltage transformer, need of high voltage components and excessive heating of components etc., associated with them. This power supply consists of a stable power oscillator whose output is controlled by an input signal. The output of this oscillator is boosted with the help of a step-up transformer and then rectified and filtered. A portion of this output is compared with a high stability, temperature compensated reference and the error signal is used in the feedback path to control the oscillator's output. There is a built-in protection against accidental overloading.

For high reliability, compactness and ruggedness, integrated circuits are extensively used along with a few discrete silicon devices. The components are mounted in a glass epoxy printed circuit card.

Applications

HVPS-1500 is designed to meet the power requirements of a broad range of radiation detectors: G.M. Counters, Ionization Chambers, Scintillation Detectors, Photomultiplier Tubes and any application where a high voltage source with high degree of regulation and stability is required.

FEATURES

- 01 Continuously variable
- 02 Electronically regulated
- 03 Fully solid state circuit
- 04 Low power consumption

SPECIFICATION

- Output** : 0-1500V continuously adjustable
- Current** : 1mA (max.)
- Polarity** : -ve
- Regulation** : ± 0.05% for 0 to 1mA load
- Stabilization** : ± 0.02% for ±10% mains variation
- Display** : 3½ digit, 7 segment LED DPM
- Connection** : Output through a UHF connector on the front panel
- Protection** : Fully protected against overload and short circuit by current limiting technique

Power requirements : 230V ±10% at 50Hz

Weight : 5Kg

Dimensions : W 290 x H 160 x D 230

LIST OF ACCESSORIES

- 01 UHF to UHF Lead 1 Meter.....01.

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

OMEGA ELECTRONICS