



Klystron Power Supply, is a state-of-the-art solid-state, regulated power supply for operating low power Klystrons. It incorporates a number of proprietary features :

- ▣ Regulated Beam Supply and Repeller Supply voltages.
- ▣ LED Digital meter for Beam voltage, current and Repeller voltage.
- ▣ Compact and Reliable.
- ▣ Modular construction for easy maintenance.
- ▣ In addition to AM and FM modulation of beam current, a provision for external modulation is provided.

### Technical Specifications

- Beam Supply :** Voltage : 240 - 420 VDC, Variable  
 Current : 50 mA  
 Regulation : 0.5 % for 10% I/P variation  
 Ripple : < 5 m Vrms (ON Load)
- Repeller Supply :** -18 V to -270 V DC Variable (ON Load)  
 Regulation : 0.25 %, for 10 % I/P variation
- Filament Supply :** 6.3 VDC (adjustable on rear panel)
- Over-Load Trip Current :** 65 mA
- Modulation :** AM (Square) FM (Saw - tooth)  
 Frequency Range : 500 - 2000 Hz 50 - 150 Hz  
 Amplitude : 0 - 110 Vpp 0 - 60 Vpp  
 External : Through External Modulating Signal
- Display :** Digital display for  
 1. Beam voltage 2. Beam Current 3. Repeller voltage
- Modulation Selector :** CW/AM/FM/EXT
- 3½ Digital Panel meter :** 2 V
- Meter Selector :** Beam Voltage (V)/ Current (I)/(Repeller) Rep.
- Connectors :** a. 8-Pin Octal Socket b. BNC for External Modulation
- Power Supply :** 230 V ±10%, 50 Hz
- Power consumption :** 32 VA (approx.)
- Dimensions (mm) :** W 295 × D 385 × H 165
- Audio Input :** Provided for audio communication

