



Klystron



Klystron Power Supply, Model KP-151, is a state-of-the-art solid state, regulated power supply for operating low power Klystrons such as 2K25, 723 A/B, RK 5976, 726, 2K22 etc.

Model KP151 incorporates a number of proprietary features:-

A) Regulated Beam Supply, Repeller and Filament Supply voltages.

B) Overload TRIP protection for Beam Supply Output.

C) LED Digital metering for Beam voltage, current and Repeller voltage.

D) Stand-by mode.

E) Ultra compact and Reliable.

F) Modular construction for easy maintenance.

In addition to AM and FM modulation of Beam current, a provision for externally modulating the klystron Supply with desired signal waveform has been provided.

Model KP-1 51 utilizes quality components, rugged construction and ergonomically designed front panel. A careful handling of the instrument will provided years of trouble free service.

Specifications:

1. Input Voltage	230VAC, \pm 10%, 50 Hz
2. Beam Supply 3. Repeller Supply	Voltage : 240- 400 Vdc, Variable Current : 50 mA Regulation : 0.5% for 10% I/P variation Ripple: <5mv RMS 10-270 Vdc, Variable Regulation : 0.25% for 1 0% I/P variation
4. Filament Supply	6.3 Vdc
5. Over-load Trip Current	65 mA
6. Modulation Frequency Range Amplitude External	AM (Square) FM (Saw -Tooth) 500-2500 Hz 150-300 Hz 0-110 V 0-65 V Through external Modulating Signal
7. Display	Digital display for (1) Beam voltage, (2) Beam Current, (3) Repeller Voltage
8. Standby Mode	Only Heater Supply ON
9. Connectors	(1) 8-Pin Octal Socket for Klystron, (2) BNC (F) for external Modulation (3) 2-Pin Socketfor Cooling Fan, (4) BNC (F) for Saw-tooth Monitoring
10. Mechanical Dimensions	26.5(L) X 13(H) X 20(D) Cms Weight - 5.6 kg
1 1. Standard Accessories	i) Mains Cable (1 No.) ii) Coaxial Cable BNC - BNC (1 No.) iii) Spare Fuses (2 Nos.) iv) Instruction Manual (1 No.)

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