

Model 247

High Voltage Power Supply

OUTPUT:

Voltage: 0 to 3kV DC.

Current: 6mA DC maximum.

Polarity: Positive or negative with respect to chassis.

ACCURACY: (18°-28°C): \pm (0.25% of setting + 1.5V DC) from 1% to 100% of maximum output voltage.

RESOLUTION: Dial graduations of 200mV.

STABILITY: \pm 0.01% of setting/hr.; \pm 0.02% of setting/8 hrs., at constant temperature after $\frac{1}{2}$ -hour warm-up.

TEMPERATURE COEFFICIENT (0°-18°C & 28°-50°C): \pm 50ppm/°C.

LINE REGULATION: 0.001% voltage change for 10% line variation.

LOAD REGULATION: 0.005% voltage change from no load to full load.

RIPPLE AND NOISE: 3.5mV rms, 10mV p-p @ 3kV, 6mA; 1mV rms, 3mV p-p @ 1kV, 1mA, 10Hz-100kHz.

SETTLING TIME: 4 seconds to within 1V with full resistive load.

OVERLOAD PROTECTION: Short circuit proof, arc protected, self restoring.

METER: Monitors voltage output.

ENVIRONMENT:

Operating: 0° to 50°C, 0 to 80% relative humidity up to 35°C.

Storage: -40° to 75°C.

CONNECTOR: Rear panel, MHV Type UG-931/U.

POWER: 90-127V/180-254V, 50-60Hz, 130VA.

DIMENSIONS, WEIGHT: 483mm wide \times 89mm high \times 273mm deep (19 in. \times 3 $\frac{1}{2}$ in. \times 10 $\frac{3}{4}$ in.), excluding handles. Four holes spaced for rack mounting. Net weight 5.9kg (13 lbs.).

ACCESSORIES SUPPLIED: Instruction manual, UG-932/U mating connector, mounting feet for bench operation.

Specifications subject to change without notice.