Table 1-1. Specifications

INPUT:
115Vac, ±10%, 50-400Hz, 0.29A, 28W.

OUTPUT:
0-10Vdc, 0-1A.

LOAD REGULATION:
Constant Voltage - Less than 4mV for a load current change equal to the current rating of the supply.
Constant Current - Less than 500μA for a load voltage change equal to the voltage rating of the supply.

LINE REGULATION:
Constant Voltage - Less than 4mV for a change in line voltage from 103.5 to 126.5 (or 126.5 to 103.5) at any output voltage and current within rating.
Constant Current - Less than 750μA for a change in line voltage from 103.5 to 126.5 (or 126.5 to 103.5) at any output voltage and current within rating.

RIPPLE AND NOISE:
Constant Voltage - Less than 200μV rms/1mV p-p (dc to 20MHz).
Constant Current - Less than 150μA rms/500μA p-p (dc to 20MHz).

TEMPERATURE RANGES:
Operating: 0 to 55°C. Storage -40°C to +75°C.

TEMPERATURE COEFFICIENT:
Constant Voltage - Less than 0.02% + 1mV output change per degree centigrade change in ambient following 30 minutes warm-up.
Constant Current - Less than 6mA output change per degree centigrade change in ambient following 30 minutes warm-up.

STABILITY:
Constant Voltage - Less than 0.1% + 5mV total drift for 8 hours following 30 minutes warm-up at constant ambient, constant line voltage, and constant load.
Constant Current - Less than 15mA total drift for 8 hours following 30 minutes warm-up at constant ambient, constant line voltage, and constant load.

INTERNAL IMPEDANCE AS A CONSTANT VOLTAGE SOURCE:
Less than 0.03 ohm from dc to 1kHz.
Less than 0.5 ohm from 1kHz to 100kHz.
Less than 3 ohms from 100kHz to 1MHz.

RESOLUTION:
Constant Voltage - Less than 5mV.
Constant Current - Less than 75μA.

TRANSIENT RECOVERY TIME:
Less than 50μsec for output voltage recovery in constant voltage operation to within 15mV of the nominal output voltage following a change in output current equal to the current rating of the supply. The nominal output voltage is defined as the mean between the no load and full load voltages.

OVERLOAD PROTECTION:
A fixed current limiting circuit protects the power supply for all overloads including a direct short circuit placed across the output terminals in constant voltage operation.

METER:
The front panel meter can be used as either a 0-12V voltmeter or as a 0-1.2A ammeter.

OUTPUT CONTROLS:
Concentric coarse and fine voltage controls and, concentric coarse and fine current controls set desired output voltage/current. Meter switch selects voltage or current.

OUTPUT TERMINALS:
Three "five-way" output terminals are provided on the front panel. They are isolated from the chassis and either the positive or negative terminal may be connected to the chassis through a separate ground terminal.

COOLING:
Convection cooling is employed. The supply has no moving parts.

SIZE:
3¼"/8,26cm H x 5¼"/13,34cm W x 7"/17,78cm D. Using a Rack Mounting Kit, three units can be mounted side by side in a standard 19" relay rack.

WEIGHT:
4.75 lbs./2,2 kg. net, 6.75 lbs./3,1 kg. shipping.

POWER CORD:
A 3-wire, 5-foot (1,52cm) power cord is provided with each unit.