Table 1-1. Specifications

INPUT:
105-125Vac, single phase, 50-400Hz.

OUTPUT:
0-25Vdc, 0-400mA.

LOAD REGULATION:
Less than 0.01% plus 1mV for a full load to no load change in output current.

LINE REGULATION:
Less than 0.01% plus 4mV for any line voltage change within the input rating.

RIPPLE AND NOISE:
Less than 200μVrms/1mV p-p (dc to 20MHz).

TEMPERATURE RANGES:
Operating: 0 to 55°C. Storage: -40 to +85°C.

TEMPERATURE COEFFICIENT:
Less than 0.02% plus 1mV per degree Centigrade.

STABILITY:
Less than 0.10% plus 5mV total drift for 8 hours after an initial warm-up time of 30 minutes at constant ambient, constant line voltage, and constant load.

INTERNAL IMPEDANCE AS A CONSTANT VOLTAGE SOURCE:
Less than 0.03 ohms from dc to 1kHz.
Less than 0.5 ohms from 1kHz to 100kHz.
Less than 3.0 ohms from 100kHz to 1MHz.

TRANSIENT RECOVERY TIME:
Less than 50μsec for output recovery to within 10mV following a full load current change in the output.

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

METER:
The front panel meter can be used as either a 0-30V voltmeter or as a 0-500mA ammeter.

OUTPUT CONTROLS:
Coarse and fine voltage controls set desired output voltage. Meter switch selects voltage or current.

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

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

SIZE:
5¼"/13,34cm W x 3¼"/8,26cm H 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:
5.25 lbs./2,38 kg. net, 7 lbs./3,17 kg. shipping.

FINISH: Dark Gray

POWER CORD:
A three-wire, five-foot power cord is provided with each unit.