Table 1-1. Specifications

INPUT:
105-125/210-250VAC, single phase, 50-400 Hz.

OUTPUT:
0-7.5 volts @ 5 amps.

LOAD REGULATION:
Constant Voltage--Less than 5mv for a full load to no load change in output current.
Constant Current--Less than 0.01% plus 250μa for a zero to maximum change in output voltage.

LINE REGULATION:
Constant Voltage--Less than 0.01% plus 2 mv for any line voltage change within the input rating.
Constant Current--Less than 0.01% plus 250μa for any line voltage change within the input rating.

RIPPLE AND NOISE:
Constant Voltage--Less than 200μv rms.
Constant Current--Less than 4 ma rms.

TEMPERATURE RANGES:
Operating: 0 to 50°C. Storage: -20 to +35°C.

TEMPERATURE COEFFICIENT:
Constant Voltage--Less than 0.02% plus 500μv per degree Centigrade.
Constant Current--Less than 0.02% plus 2.5ma per degree Centigrade.

STABILITY:
Constant Voltage--Less than 0.10% plus 2.5mv total drift for 8 hours after an initial warm-up time of 30 minutes at constant ambient, constant line voltage, and constant load.
Constant Current--Less than 0.10% plus 12.5ma 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 0.001 ohm from DC to 100Hz.
Less than 0.01 ohm from 100Hz to 1KHz.
Less than 0.2 ohm from 1KHz to 100KHz.
Less than 2.0 ohms from 100KHz to 1MHz.

TRANSIENT RECOVERY TIME:
Less than 50μsec for output recovery to within 15mv following a full load current change in the output.

OVERLOAD PROTECTION:
A continuously acting constant current circuit protects the power supply for all overloads, including a direct short placed across the terminals in constant voltage operation. The constant voltage circuit limits the output voltage in the constant current mode of operation.

METER:
The front panel meter can be used as either a 0-9V or 0-0.9 volt voltmeter or as a 0-6A or 0-0.6 amp ammeter.

OUTPUT CONTROLS:
Coarse and fine voltage controls and coarse and fine current controls set desired output voltage or current.

OUTPUT TERMINALS:
Three "five-way" output posts are provided on the front panel and an output terminal strip is located on the rear of the chassis. 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.

ERROR SENSING:
Error sensing is normally accomplished at the front terminals if the load is attached to the front or at the rear terminals if the load is attached to the rear terminals. Also, provision is included the rear terminal strip for remote sensing.

REMOTE PROGRAMMING:
Remote programming of the supply output at approximately 200 ohms per volt in constant voltage is made available at the rear terminals. In constant current mode of operation, the current can be remotely programmed at approximately 200 ohms per ampere.

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

SIZE:
3½" H x 14½" D x 8½" W. Two of the units can be mounted side by side in a standard 19" relay rack.

WEIGHT:
14 lbs. net, 19 lbs. shipping.

FINISH:
Light gray front panel with dark gray case.

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