

Table 1-1. Specifications

<p><b>INPUT:</b> 115Vac <math>\pm 10\%</math>, single phase, 48-440Hz.</p> <p><b>OUTPUT:</b> Two independent outputs, each of which can be set at either 0-40 Volts @ 0.3 Amp or 0-20 Volts @ 0.6 Amp.</p> <p><b>LOAD REGULATION:</b> Less than 0.01% plus 4mV for a full load to no load change in output current.</p> <p><b>LINE REGULATION:</b> Less than 0.01% plus 4mV for any line voltage change within the input rating.</p> <p><b>RIPPLE AND NOISE:</b> Less than 200<math>\mu</math>Vrms 1mV p-p.</p> <p><b>TEMPERATURE RANGES:</b> Operating: 0 to 50°C. Storage: - 40 to + 75°C.</p> <p><b>TEMPERATURE COEFFICIENT:</b> Less than 0.02% plus 1mV per degree Centigrade.</p> <p><b>STABILITY:</b> 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.</p> <p><b>INTERNAL IMPEDANCE AS A CONSTANT VOLTAGE SOURCE:</b> Less than 0.02 ohms from dc to 1kHz, Less than 0.5 ohms from 1kHz to 100kHz, Less than 3.0 ohms from 100kHz to 1MHz.</p> <p><b>TRANSIENT RECOVERY TIME:</b> Less than 50<math>\mu</math>sec for output recovery to within 10mV following a full load current change in the output.</p> <p><b>OVERLOAD PROTECTION:</b> A fixed current limiting circuit protects the power supply for all overloads including a direct short placed across the terminals in constant voltage operation.</p> <p><b>METERS:</b> Each front panel meter can be used as either a</p>	<p>0-50 or 0-5 Volt voltmeter or as a 0-0.75 or 0.075 Amp ammeter.</p> <p><b>OUTPUT CONTROLS:</b> RANGE switches select desired operating mode for each section and coarse and fine VOLTAGE controls set desired output voltages.</p> <p><b>OUTPUT TERMINALS:</b> Six "five-way" output posts (three for each section of supply) are provided on the front panel and two output terminal strips (one per section) are located on the rear of the chassis. All power supply output terminals are isolated from the chassis and either the positive or negative terminals may be connected to the chassis through separate ground terminals located on the output terminal strips.</p> <p><b>ERROR SENSING:</b> 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, provisions are included on the rear terminal strips for remote sensing.</p> <p><b>REMOTE RESISTANCE PROGRAMMING:</b> 200 ohms per Volt.</p> <p><b>REMOTE VOLTAGE PROGRAMMING:</b> 1 Volt per Volt.</p> <p><b>COOLING:</b> Convection cooling is employed. The supply has no moving parts.</p> <p><b>SIZE:</b> 3<math>\frac{1}{2}</math>" H x 12-5/8" D x 2<math>\frac{1}{2}</math>" W. Two of the units can be mounted side by side in a standard 19" relay rack.</p> <p><b>WEIGHT:</b> 10 lbs. net, 13 lbs. shipping.</p> <p><b>FINISH:</b> Light gray front panel with dark gray case.</p> <p><b>POWER CORD:</b> A three-wire, five-foot power cord is provided with each unit.</p>
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