

SECTION 1

GENERAL DESCRIPTION

1.1 INTRODUCTION

The Model 1201WP provides a low cost, convenient source of international power for testing products which are exported to countries with different power mains and/or connectors than those of the manufacturing site. The unit is sufficiently portable that it can be moved between work stations or lab positions as needed.

Output voltage is adjustable from 0 to 260 volts at frequencies of 47 to 500 Hz. Output power is delivered to a terminal block on the rear panel of the unit.

A digital display allows monitoring of RMS output voltage, frequency and RMS load current.

Internal jumpers allow operation from either 115 or 230 VAC. Input frequency can vary from 45 to 440 Hz.

1.2 SPECIFICATIONS

Table 1-1 contains the operation specifications of the 1201WP. All specifications are tested in accordance with standard California Instruments test procedures. Unless otherwise noted, the following specifications apply at 100% of full scale output voltage and with 115 or 230 VAC input power.

TABLE 1-1

SPECIFICATIONS

OUTPUT VOLTAGE	
Ranges, panel selected	0 to 130 VAC 0 to 260 VAC
OUTPUT FREQUENCY	
Ranges, panel selected	47 to 150 Hz 150 to 500 Hz
OUTPUT CURRENT	
130V Range	9.23 amps rms
260V Range	4.62 amps rms
OUTPUT CURRENT (Peak)	2.5 X RMS rating
LINE & LOAD REGULATION	2%
FREQUENCY STABILITY	.25%
HARMONIC DISTORTION	1% maximum into full linear load

OUTPUT PROTECTION	Automatic peak and rms over current shut down. Automatic short circuit and thermal shut down.
INPUT VOLTAGE	(selected by internal jumpers) 115 or 230 VAC
INPUT FREQUENCY	45 to 440 Hz
EFFICIENCY	75%
MONITOR ACCURACY	.25%
OPERATING TEMPERATURE	-10 degrees C to +40 degrees C
STORAGE TEMPERATURE	-40 degrees C to +75 degrees C
WEIGHT	55 lbs.
DIMENSIONS	7" (H) X 19" (W) X 17" (D) Slots for standard rack mounting