

WP Series

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Description

These California Instruments supplies represent a new concept to meet the requirements of companies who need to test their products for use from nonstandard power. The portable, conveniently sized units deliver a continuous 1000 VA or 1250 VA. Operating efficiently from a single phase AC outlet, these products put the convenience of international power at any bench...in the laboratory, the test department, or in the field.

Output voltages of 100, 115, 220, 230 and 240 Volts are available to produce all standard world power options. A rear panel switch selects between one of the low voltages and one of the high voltages. The low voltage output is available from a USA Nema 5-15R duplex output. The high voltage output is available from the European CEE 7/7 outlet. This prevents the

accidental application of high voltage to equipment configured for USA domestic use.

All WP Series use a power factor corrected active input which allows them to operate from any line voltage and frequency found around the world. The WP Series is UL and CSA approved and is CE marked for use in the European Union.

Controller Capabilities

The WP Series uses a precision sine wave generator which produces a low distortion sine wave at the output. The number of front panel controls is kept to a minimum for ease of use. Selection of either 100/115 V or 220/230/240 V is via a conveniently accessible switch on the front panel. Any combination of one high and one low voltage option is possible. The selected output voltage is indicated on the front panel. The controller also offers push buttons for selecting +10% or -10% of nominal output voltage which accommodates limits testing of the EUT. The output frequency can be changed by + 3 Hz or -3 Hz as well. A single push button is used to turn the output to the EUT on or off. At all times, all selections are clearly indicated by the LED enunciators.

Exclusive Features

- Low Cost
- Portable
- Easy to Use
- Multiple output voltage selections
- 50 Hz or 60 Hz output
- Simple Front Panel Connections
- UL and CSA Safety Tested
- CE Mark

Applications

The selectable output frequency range of 50 Hz or 60 Hz makes the WP Series a suitable source for testing of commercial products destined for export to foreign countries. Dual voltage ranges provide maximum output current at any selected output voltage up to 240 Volt. For bench use, the WP Series features simple and intuitive controls for selecting voltage and frequency. As a clean source of low distortion AC power with input power factor correction, the WP also has many applications for powering sensitive equipment in hostile environments. The WP Series provides an inexpensive source of AC power in a small, portable and lightweight package.

Available Models:

1001WP Frequency changer, 1000 VA

1251WP Frequency changer, 1250 VA

Options:

-ISS International Socket Strip.

-ISR Rack mounted ISS.

Line Cord Options:

Country	1001WP	1251WP
Continental Europe	.	PC11
Australia / New Zealand	.	PC12
UK / Ireland etc.	.	PC13
Denmark	.	PC14
India	.	PC15
Israel	.	PC16
Italy	.	PC17
North America*	PC21	PC18
Switzerland	.	PC19

Specifications:

		1001WP	1251WP
Output			
Output power		1000 VA	1250 VA
Frequency	range	50 or 60 Hz \pm 3 Hz	
	accuracy	\pm 1.0 %	
Voltage	low range	100 or 115 Vrms \pm 10 %	
	high range	220, 230 or 240 Vrms \pm 10 %	
	accuracy	\pm 1 %	
	line and load regulation	\pm 2 % max	
	harmonic distortion	< 1 % typical	
Max. rms. current	low range	9.0 Arms	11.0 Arms
	high range	4.5 Arms	5.5 Arms

Max. peak current	low range	29.0 A	33.0 A
	high range	14.5 A	16.5 A
Output Noise	low range	< 150-mV	< 150 mV
	high range	< 500-mV	< 500 mV
Input			
Voltage		85- 264 V	
Frequency		47 - 63 Hz*	
Hold up time		20 msec	
Protection			
		Over Current Short circuit Over Temperature Over Voltage	
Regulatory		CE Mark, UL, CSA	
Mechanical			
Dimensions		8.75 x 8.5 x 17.5 inches 223 x 216 x 445 mm	
Weight		30 lb. 13 kg	
Operating temperature		0 - 40° C	
Air intake / exhaust		rear / sides	

* Note: Extended 47 Hz - 440 Hz input frequency models are available. Contact California Instruments for details.

See also: [P Series](#) and [RP Series](#) for programmable voltage and frequency output and remote control.