



INTRODUCTION

The PRPS-3005-3 is a high-precision, variable DC power supply. It can operate on either Constant Voltage (C.V.) or Constant Current (C.C.) mode.

While on C.C. mode, the voltage is adjustable between 0 and 30 volts. Whereas the current is adjustable between 0 and 5 amps when on C.V. mode.

Dual channels output for convenient serial or parallel setup, the 3rd output is fixed output at 5 volts.

GENERAL SPECIFICATIONS

- Voltage and Current dual LED display
- Voltage and Current Coarse/Fine adjustment
- Protection mode: limited current output
- Parallel or serial connection detection to automatically switch outputs
- Stylish plexi-glass display panel
- Memory: 3 programmable memories
- PC connection: Remote control on a computer via USB connection
- Supports Windows XP, Vista, W7, W8, W81(32 bit, 64 bit) systems

*Technical Specifications & Appearance are subject to change without prior notice

TECHNICAL SPECIFICATIONS

Model Number	PRPS-3003-3	PRPS-3005-3
Output Voltage	230 V/ 50 Hz	
Fuse	T4A /250 V	T5A /250 V
Output Voltage	0-30 V	0-30 V
Output Current	0-3A	0-5 A
Power effect	C.V. $\leq 0.01\% + 3\text{ mV}$	C.V. $\leq 0.01\% + 3\text{ mV}$
	C.C. $\leq 0.1\% + 3\text{ mA}$	C.C. $\leq 0.1\% + 3\text{ mA}$
Load Effect	C.V. $\leq 0.01\% + 3\text{ mV}$	C.V. $\leq 0.01\% + 5\text{ mV}$
	C.C. $\leq 0.1\% + 5\text{ mA}$	C.C. $\leq 0.1\% + 10\text{ mA}$
Resolution	10 mV	10 mV
	1 mA	1 mA
Accuracy (25°C \pm 5°C)	$\leq 0.1\% + 20\text{ mV}$	$\leq 0.1\% + 20\text{ mV}$
	$\leq 0.1\% + 5\text{ mA}$	$\leq 0.1\% + 5\text{ mA}$
Ripple & Noise (20Hz-20MHz)	$\leq 1\text{ mV rms}$	$\leq 1\text{ mV rms}$
	$\leq 3\text{ mA rms}$	$\leq 3\text{ mA rms}$
Temperature Coefficient	$\leq 150\text{ ppm}$	$\leq 150\text{ ppm}$
	$\leq 150\text{ ppm}$	$\leq 150\text{ ppm}$
Readout Resolution	10 mV	10 mV
	1 mA	1 mA
Readout Temperature Coefficient	$\leq 100\text{ mms}$	$\leq 100\text{ mms}$
	$\leq 100\text{mms}$	$\leq 100\text{mms}$
Parallel Load Regulation	$\leq 0.1\%+0.1\text{V}$	$\leq 0.1\%+0.1\text{V}$
Serial Load Regulation	$\leq 0.1\%+0.1\text{V}$	$\leq 0.1\%+0.1\text{V}$
Dimensions	220(W) x 145(H) x 310(D) mm	220(W) x 145(H) x 310(D) mm
Weight	6.5Kg	7Kg
Fixed Output	5V/3A	



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