

## INTRODUCTION

The PRPS-3005 is a highly accurate, DC-regulated power supply with an adjustable output. This output can be used for constant voltage (C.V.) and constant current (C.C.).

The output voltage can be adjusted between 0V and 30V when the device is in the constant voltage mode. The current-limiting point can be set arbitrarily in this mode.

The output current can be adjusted continuously between 0A and 5A in the constant current mode. The output current and voltage are indicated on the LED displays.

## GENERAL SPECIFICATION

- Dual LED display for Voltage and Current
- Coarse and fine adjustments of Voltage and Current
- Protection mode: current limiting
- Output connectors: insulated safety plugs
- Organic glass front panel / other panels made of steel
- Memory: 3 programmable memories
- Computer connectivity: PC remote control via USB interface
- Software included

## TECHNICAL SPECIFICATION

Input Voltage	220 V~/ 50 Hz
Fuse	2A /250 V
Output Voltage	0-30 V
Output Current	0-5 A
Source Effect	C.V. $\leq 0.01\% + 3\text{ mV}$ C.C. $\leq 0.1\% + 3\text{ mA}$
Load Effect	C.V. $\leq 0.01\% + 2\text{ mV}$ C.C. $\leq 0.1\% + 10\text{ mA}$
Setup Resolution	10 mV 1 mA
Setup Accuracy (25°C $\pm$ 5°C)	$\leq 0.5\% + 20\text{ mV}$ $\leq 0.5\% + 10\text{ mA}$
Ripple (20Hz-20MHz)	$\leq 2\text{ mV rms}$ $\leq 3\text{ mA rms}$
Temperature Coefficient	$\leq 100\text{ ppm} + 10\text{ mV}$ $\leq 100\text{ ppm} + 5\text{ mA}$
Read Back Accuracy	10 mV 1 mA
Read Back Temp. Coefficient	$\leq 100\text{ ppm} + 10\text{ mV}$ $\leq 100\text{ ppm} + 5\text{ mA}$
Reaction Time (10% rated load)	voltage rise: $\leq 100\text{ ms}$ voltage drop: $\leq 100\text{ ms}$
Dimensions	115 (W) x 190 (H) x 240 (D) mm
Weight	5.3Kg
Operating Time	8 hours of continuous use at maximum load

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

