

Wavecom Instruments

PS-6005P

Programmable Power Supply Unit



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PS-6005P

Programmable Power Supply Unit

Overview

The Wavecom PS-6005P regulated Power Supply is the most economical in the market and has more precision and stability, and is fully remote controlled via Rs232 or USB.

The PS-6005P, constant-voltage and constant-current Power Supply with low ripple and noise, has high reliability and high accuracy. The unit comes with overload, short circuit & overheating protection which meets the needs of development, laboratory, training and production applications.

This unit comes with RS232 & USB interface for remote control via a PC using the included PC software.

Features

- ◇ Complete digital control / programmable
- ◇ 10 mV / 1 mA resolution
- ◇ Low noise and ripple
- ◇ CV / CC constant voltage & constant current modes
- ◇ Settable OCP & OVP, constant protection mode
- ◇ 5 Sets of parameters can be stored and recalled
- ◇ Output switch control
- ◇ Power-off memory function
- ◇ Keyboard lock function to prevent operator errors
- ◇ Computer connectivity: PC remote control via USB or RS232
- ◇ Includes Labview based software for Windows XP, Vista and W7, W8, W8.1 (32 & 64 bit)

Contents

- ◇ PS-6005P Power Supply Unit
- ◇ User manual
- ◇ Power cord (1.2M)
- ◇ Labview Based Software

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Specifications

Function	Voltage Range (0V -60V)	Current Range (0A - 5A)
Input Voltage	110V/240V AC	-
Load Regulation	$\leq 0.01\% + 2\text{mV}$	$\leq 0.1\% + 5\text{mA}$
Line Regulation	$\leq 0.01\% + 3\text{mV}$	$\leq 0.1\% + 3\text{mA}$
Setup Resolution	10mV	1mA
Setup Accuracy (25°C + 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	10mV	1mA
Reaction Time	$\leq 100\text{mS}$	$\leq 100\text{mS}$
Operation Environment	Indoor Use Only - Altitude $\leq 2000\text{m}$ Ambient Temperature 0°C - 40°C - Relative Humidity $\leq 80\%$	
Interfaces	RS 232, USB	
Weight/Dimensions	4.5kg - 110mm x 156mm x 260mm	
Storage Environment	Ambient Temperature -10°C - 70°C - Relative Humidity $\leq 70\%$	

Ordering Information

◇ Wavecom PS-6005P Programmable Power Supply Unit

'WCM-PS6005P'

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