

PPS-2320A Programmable Benchtop Power Supply



Hantek®

The PPS-2320A PSU from Hantek is a 3-channel programmable benchtop power supply with 2 variable outputs (0~32V) and 1 semi-variable output (2.5 / 3.3 / 5.0V). This DC laboratory grade power supply features all-digital controls, giving 0~3A under manual- or computer control.

The PPS-2320A PSU has an automatic fan for when high currents are drawn, but runs completely silent most of the time. It allows for 5 presets and a configurable step size.

The USB interface allows the power supply to be controlled from a computer (voltage & current) and also allows the logging of the current being drawn. The PPS-2320A comes with software and crocodile-, power- and USB cables.

Hardware Specifications of PPS-2320A Programmable Power Supply:

Channels	: 3
Max Output Voltage	: 64V
Max Output Current	: 6A
Channel 1 & 2	: 0 ~ 32V @ 0~3A
Channel 3	: 2.5V / 3.3V / 5V @ 0~3A
Working Modes	: Constant Current, Constant Voltage, Software Control, Parallel (double current), Serial (double voltage). Split-Rail (negative & positive voltage)
Load Regulation (CV)	: <0.01% +5 mV (1<3A) ; <0.02% +5 mV (1>3A)
Load Regulation (CC)	: <0.02% +3 mA
Ripple & Noise (CV)	: <5 mV rms
Ripple & Noise (CC)	: <3mA rms
Output voltage rise time	: < 100ms (load & no load)
Output voltage fall time	: < 100ms (load & no load)
Display Voltage Precision	: +- (0.5% + 2 words)

Display Current Precision	: +- (0.5% + 2 words)
Protection Method	: Overcurrent protection (OCP), Overvoltage protection (OVP)
Cooling Method	: Automatic Fan
Dimensions (WxHxD)	: 215mm x 140mm x 340mm
Input Voltage	: 220 VAC, 60Hz/50Hz
Operating Temperature	: 0 ~ +40degC
Operating Relative Humidity	: <80%

Software Specifications of PPS-2320A Programmable Power Supply:

Interface	: USB 1.1
Presets (Voltage & Current)	: 5
Control Methods	: manual, preset, software (CSV file)
Logging	: CSV file
Voltage Step Size	: 10mV ~ 10V

The PSU package includes:

The PPS-2320A programmable power supply, AC power cable, USB cable, red & black crocodile clamp cables, CD with software.