

FEATURES

- Low noise and ripple feature
- CV / CC constant voltage and constant current modes
- Over-Current Protection for protection of the unit
- Available for RS and UKAS calibration

RS PRO Digital, Bench Power Supply, 3 Output, 0 → 30V 0 → 5 (Adjustable) A, 3(Fixed) A

RS Stock No.: 180-8785



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

Introducing the RS PRO RS-D3305P Series Bench Power Supply. This high-performance D/C power supply allows users to work without additional noise being created by the power supply due to the low noise level and ripple function. This bench power supply is of an industrial grade which allows to work for long periods of time, without compromising the quality of the tests that are being run. This bench power supply is a high-quality, versatile piece of equipment that can be used for a variety of applications and can be bought as a non-calibrated or calibrated (RS Calibration or UKAS Calibration) machine.

General Specifications

Type	Digital
Mode	Series/parallel
Number of Displays	1
Input Connector	IEC 320-C14
Output Connector	LAN ,RS-232 ,USB
Number of Outputs	3
Accuracy	Voltage: $\leq 0.5\% + 20 \text{ mV}$ / Current: $\leq 0.5\% + 10 \text{ mA}$
Temperature Coefficient	Voltage: $100 \text{ ppm} + 10 \text{ mV}$ / Current: $\leq 100 \text{ ppm} + 5 \text{ mA}$
Read Back Accuracy	Voltage: 10 mV / Current: 1 mA
Read Back Temp. Coefficient	Voltage: $\leq 100 \text{ ppm} + 10 \text{ mV}$ / Current: $\leq 100 \text{ ppm} + 5 \text{ mA}$
Recovery or Reaction Time	Voltage: $\leq 100 \text{ mS}$ / Current: $\leq 100 \text{ mS}$
Resolution	Voltage: 10 mV / Current: 1 mA
Locking key	Yes
Interface	LAN, RS-232, USB
Application	General laboratory, Education, Industry, Research, Production, Workshops

Electrical Specifications

Supply Voltage	230V
Output Voltage	0V to 30V
Output Current	0A to 5A(Adjustable) , 3A(fixed)
Load Regulation	Voltage: $\leq 0.01\% + 5\text{mV}$ / Current: $\leq 0.1\% + 10\text{mA}$
Line Regulation	Voltage: $\leq 0.01\% + 3\text{mV}$ / Current: $\leq 0.1\% + 3\text{mA}$
Ripple(20hz-20M)	Voltage: $\leq 2\text{mVrms}$ / Current: $\leq 3\text{mA}$
Series Regulation	Load $\leq 0.1\% + 0.2\text{V}$
Parallel regulation	Load : $\leq 0.1\% + 0.2\text{V}$

Mechanical Specifications

Dimension	146mm x252mm x375mm
Length	375mm
Width	146mm
Height	252mm
Weight	10.38 kg

Channel 3 Specifications

Load Regulation	$\pm 50\text{mV}$
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Approvals

Compliance/Certifications	RoHS certificate of compliance
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