

FEATURES

- Complete programmable
- Compact design
- Intelligent temperature-controlled fan
- Low noise and ripple
- UK & Euro leads supplied

RS PRO Digital, Bench Power Supply, 150W, 1 Output , 0 → 30V 0 → 5A

RS Stock No.: 175-7367



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

The RS PRO RS3005D digital control DC power supply is a user-friendly, compact & lightweight designed power supply unit with a simple to read 4 digit display of the voltage and current values and features an output voltage range of 0-30V and an output current range of 0-5A. This highly reliable and accurate power supply is suitable for various applications such as production, labs, and colleges and features an intelligent temperature controlled fan with low noise and ripple. This versatile bench power supply offers a heavy duty-single channel with constant-voltage and constant linear power supply, as well as a knob lock function to prevent improper operation.

General Specifications

Type	Digital
Number of Displays	4
Input Connector	IEC320- C14
Number of Outputs	1
Accuracy	Voltage: $\leq 0.5\% + 20\text{mV}$ / Current: $\leq 0.5\% + 1\text{mA}$
Temperature Coefficient	Voltage: $\leq 150\text{ppm}$ / Current: $\leq 150\text{ppm}$
Read Back Accuracy	Voltage: 10 mV / Current: 1 mA
Read Back Temp. Coefficient	Voltage: $\leq 150\text{ppm}$ / Current: $\leq 150\text{ppm}$
Recovery or Reaction Time	Voltage: $\leq 100\text{mS}$ / Current: $\leq 100\text{mS}$
Resolution	Voltage: 10 mV / Current: 1 mA
Number of channel	1
Locking key	Yes
Interface	RS-232, USB
Application	General laboratory, Education, Industry, Research, Production, Workshops

Electrical Specifications

Plug type	EURO plug/ UK plug
Supply Voltage	230V
Output Voltage	0V to 30V
Output Current	0A to 5A
Power Rating	150W
Load Regulation	Voltage: $\leq 0.01\% + 2 \text{ mv}$ / Current: $\leq 0.1\% + 5 \text{ mA}$
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: $\leq 3\text{mArms}$

Mechanical Specifications

Dimension	110mm x156mm x260mm
Length	260mm
Width	110mm
Height	156mm
Weight	4.8 kg

Operation Environment Specifications

Altitude	$\leq 2000 \text{ m}$
Relative humidity	$\leq 80\%$
Minimum Temperature	0°C
Maximum Temperature	40°C
Operation Temperature	0°C - 40°C
Storage Temperature	-10°C - 70°C

Meter Specifications

Type	4digit display
-------------	----------------

Approvals

Compliance/Certifications	RoHS certificate of compliance
----------------------------------	--------------------------------

