

## FEATURES

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

## RS PRO Digital, Bench Power Supply, 300W, 1 Output, 0 → 60V 0 → 5A

RS Stock No.: 175-7366



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

<b>Type</b>	Digital
<b>Number of Displays</b>	4
<b>Input Connector</b>	IEC 320-C14
<b>Number of Outputs</b>	1
<b>Accuracy</b>	Voltage: $\leq 0.5\% + 20\text{mV}$ / Current: $\leq 0.5\% + 1\text{mA}$
<b>Temperature Coefficient</b>	Voltage: $\leq 150\text{ppm}$ / Current: $\leq 150\text{ppm}$
<b>Read Back Accuracy</b>	Voltage: 10 mV / Current: 1 mA
<b>Read Back Temp. Coefficient</b>	Voltage: $\leq 150\text{ppm}$ / Current: $\leq 150\text{ppm}$
<b>Recovery or Reaction Time</b>	Voltage: $\leq 100\text{mS}$ / Current: $\leq 100\text{mS}$
<b>Resolution</b>	Voltage: 10 mV / Current: 1 mA
<b>Number of channel</b>	1
<b>Locking key</b>	Yes
<b>Application</b>	General laboratory, Education, Industry, Research, Production, Workshops

## Electrical Specifications

<b>Plug type</b>	EURO plug / UK plug
<b>Supply Voltage</b>	230VAC
<b>Output Voltage</b>	0V to 60V
<b>Output Current</b>	0A to 5A
<b>Power Rating</b>	300W
<b>Load Regulation</b>	Voltage: $\leq 0.01\% + 2 \text{ mv}$ / Current: $\leq 0.1\% + 5 \text{ mA}$
<b>Line Regulation</b>	Voltage: $\leq 0.01\% + 3 \text{ mv}$ / Current: $\leq 0.1\% + 3 \text{ mA}$
<b>Ripple(20hz-20M)</b>	Voltage: $\leq 1 \text{ mVrms}$ / Current: $\leq 3 \text{ mArms}$

## Mechanical Specifications

<b>Dimension</b>	110mm x156mm x260mm
<b>Length</b>	260mm
<b>Width</b>	110mm
<b>Height</b>	156mm
<b>Weight</b>	4.8 kg

## Operation Environment Specifications

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

## Meter Specifications

<b>Type</b>	4digit display
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## Approvals

<b>Compliance/Certifications</b>	RoHS certificate of compliance
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