

# 1320

## High Resolution DC Power Supply

**Model 1320  
comes with:**

1320 Power Supply

Power Cord

User Manual

Banana Plug to  
Alligator Clip Lead  
Wires (Black & Red)



### Features:

- Connect in Parallel, Series, or Independent modes for greater output
- Connect multiple units for greater output
- Separate 4-digit displays for voltage and current on variable outputs
- Three independent outputs
- Individual control of voltage and current for variable outputs
- CV (constant voltage) / CC (constant current) mode operation with automatic crossover
- LED indication for CV / CC mode
- Overload indication LED for fixed output
- Power On/Off switch on front panel
- Input voltage selection on rear side (120 VAC/ 240 VAC)

### Overview:

The 1320 can provide continual output power of 200 VA through its 3 output supplies. It features constant current or constant voltage modes with automatic crossover. With resolutions of 10 mV and 1 mA respectively, you can rely on the superior performance of the 1320. The protections against over voltage and current are completely regulated by the software producing a safe and reliable instrument.

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## Specifications

### Model 1320 Dimensions

Product Only

L x W x H

9 x 6.7 x 12.2 in

Weight

16.5 lbs

Shipping

L x W x H

15 x 12 x 10 in

Weight

19 lbs

1320 Triple Output High Resolution Power Supply	
<b>General</b>	
AC Input	VAC 120/240 $\pm$ 10%, 50/60Hz $\pm$ 10%
Operating Temperature	50 °F to 104 °F (10 °C to 40 °C)
Operating Humidity	90% R.H.
Temperature Coefficient	<300 PPM / °C (voltage and current)
Max Continual Output Power	195 VA
Dimensions (W x H x D)	230 x 170 x 310 mm
Weight	17.6 lbs (8.0 kg)
Warranty	Two Year Warranty
Included Accessories	Power cord, user manual, one pair of test leads
<b>Output Parameters</b>	
Number of Outputs	Three (two variable and one fixed)
Range	0-32 VDC / 0~3 A (variable) & 5 V / 3 A (fixed)
<b>Constant Voltage Mode (variable outputs)</b>	
Line Regulation	<0.05% + 3 mV
Load Regulation	<0.05% + 5 mV
Ripple & Noise	<0.4 mVrms
<b>Constant Current Mode (variable outputs)</b>	
Line Regulation	<0.2% + 2 mA
Load Regulation	<0.2% + 3 mA
Ripple & Noise	<2.5 mArms
<b>Tracking Operation</b>	
Slave Tracking Error	<0.5% + 2 digits of the master
<b>5V Fixed Output</b>	
Voltage Accuracy	5 V $\pm$ 0.25 V
Ripple & Noise	<1.5 mVrms
<b>Display</b>	
Voltage	4 digit, 0.36" green LED
Current	4 digit, 0.36" red LED
Accuracy	<0.05% + 3 digits
<b>Notes</b>	
All specifications apply to the unit after a temperature stabilization time of 15 minutes over an ambient temperature range of 25 °C $\pm$ 5 °C.	Specifications are subject to change without notice. To ensure the most current version of this manual, please download the current version from our website: <a href="http://globalspecialties.com">globalspecialties.com</a> .



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