

# 1350

## PROGRAMMABLE DC POWER SUPPLY

### Model 1350 comes with:

1350 Power Supply

Power Cord

User Manual

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



### Features:

- Ease of operation
- High resolution: 10 mV and 1 mA
- Separate 4-digit displays for voltage and current for both variable outputs (4 displays)
- High stability with less drift
- Protection against Over Voltage, Over Current, and Over Load
- 9 memory locations for instrument state storage & recall
- Self-test with the displaying of error messages
- Delay-Start lets you preset the starting time
- USB interface
- Series tracking mode
- Conforms to the safety standards of UL, CE, LVD...etc.
- Switchable AC input 120 or 240 V

### Overview:

The 1350 features programmable control via USB interface and microprocessor controlled circuits. The voltage and current are controlled by a 12-bit D/A converter with resolutions as high as 10 mV and 1 mA respectively. 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 1350 Dimensions

Product Only

L x W x H (inches)

8.75 x 11.75 x 6.75

Weight (pounds)

17

Shipping

L x W x H (inches)

15 x 12 x 10

Weight (pounds)

19

Function		Value
Output	Voltage	0V ~ 32V, 0V ~ 32V, 5V Fixed
	Current	0 ~ -3A, 0 ~ 3A, 3A Fixed
	Over Voltage Protection	0V ~ -33V, 0V ~ 33V, Over Load
Load Effect	Voltage	$\leq \pm 20$ mV
	Current	$\leq \pm 10$ mA
Source Effect	Voltage	$\leq \pm 20$ mV
	Current	$\leq \pm 10$ mA
Resolution	Voltage	10 mV
	Current	1 mA
Program Accuracy (25°C)	Voltage	$\leq 0.5\% \pm 20$ mV
	Current	$\leq 0.5\% \pm 10$ mA
Ripple & Noise	Voltage	Ripple $\leq 1$ mVrms / 3mVp-p Noise $\leq 2$ mVrms / 6mVp-p
	Current	$\leq 3$ mArms
Temperature Coefficient	Voltage	$\leq 100$ ppm + 20 mV
	Current	$\leq 150$ ppm + 10 mA
Read Back Resolution Accuracy (25±5°C)	Voltage	$\leq 0.5\% \pm 10$ mV
	Current	$\leq 0.5\% \pm 1$ mA
Response Time	Voltage Up 10~90%	$\leq 100$ mS
	Voltage Down 90~10%	$\leq 100$ mS
Read Back Temperature	Voltage	$\leq 100$ ppm ± 20mV
	Coefficient	$\leq 150$ ppm ± 10mA
Drift	Voltage	$\leq 100$ ppm ± 20mV
	Current	$\leq 150$ ppm ± 10mA
Track	Error	$\leq 0.1\% + 50$ mV
Memory		1~9 sets
Timer For Working Loop	Step Time	1 sec ~ 999999 sec
	Resolution	1 sec
5V Fixed Output Output	Ripple Voltage Accuracy Max Current	$\leq 2$ mVrms 5V ± 0.25V 3A ± 0.02A
Power Source		AC 120V, 240V ±5% 50/60Hz