



产 品 手 册

仪器型号: 固纬直流电源GPR-H系列DATA SHEET

西安安泰测试科技有限公司

仪器维修|租赁|销售|测试

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GPR-H Series

CE

Barbed Output

Patent No. 81011

FEATURES

- 0.01% High Regulation
- Constant Voltage and Constant Current Operation
- Internal Select for Continuous or Dynamic Load
- Low Ripple and Noise
- Overload and Reverse Polarity Protection
- 3 1/2 Digit 0.5" LED Display
- Internal Select for Continuous or Dynamic Load (for GPR-3510HD/GPR-6060D/GPR-7550D)

The GPR-H Series are single output, 240 to 375W, linear DC power supplies. Ranging from 8 to 300V, the GPR-H Series come in a number of different configurations to suit a variety of different needs. To protect loads, the GPR-H series feature robust protection measures with overload and reverse polarity protection. Continuous or dynamic output is supported for pulsed current applications such as power amplifier testing. The high regulation and low ripple/noise make the GPR-H Series suitable for high-end bench-top applications requiring precision.

SPECIFICATIONS	
CONSTANT VOLTAGE OPERATION	
Regulation	Line regulation $\leq 0.01\% + 3\text{mV}$ Load regulation $\leq 0.01\% + 5\text{mV}$ ($<10\text{A}$) $\leq 0.02\% + 5\text{mV}$ ($\geq 10\text{A}$)
Ripple & Noise	$\leq 1\text{mVrms}$ 5Hz ~ 1MHz
Recovery Time	$\leq 100\text{ }\mu\text{s}$ (50% load change, minimum load 0.5A)
Output Range	0 to rating voltage continuously adjustable
CONSTANT CURRENT OPERATION	
Regulation	Line regulation $\leq 0.2\% + 3\text{mA}$ Load regulation $\leq 0.2\% + 3\text{mA}$
Ripple Current	$\leq 5\text{mA rms}$ ($\leq 20\text{A}$) $\leq 10\text{mA rms}$ ($\leq 30\text{A}$)
Output Range	$\leq 20\text{mA rms}$ ($\leq 30\text{A}$) 0 to rating current continuously adjustable
METER	
Type	3 1/2 Digits 0.5" LED display
Accuracy	$\pm (0.5\% \text{ of rdg.} + 2 \text{ digits})$
INSULATION	
Chassis and Terminal	100M Ω or above (DC 1000V)
Chassis and AC Cord	100M Ω or above (DC 1000V)
POWER SOURCE	
AC 100V/120V/220V/240V $\pm 10\%$, 50/60Hz	
DIMENSIONS	
254(W) x 152(H) x 456(D) mm	

ORDERING INFORMATION					
	Model	Output Volts (V)	Output Amps (A)	Weight (kg)	
	GPR-0830HD	240W D.C. Power Supply	0 ~ 8	0 ~ 30	18.5
	GPR-1820HD	360W D.C. Power Supply	0 ~ 18	0 ~ 20	18.5
	GPR-3510HD	350W D.C. Power Supply	0 ~ 35	0 ~ 10	18.5
	GPR-6060D	360W D.C. Power Supply	0 ~ 60	0 ~ 6	18.5
	GPR-7550D	375W D.C. Power Supply	0 ~ 75	0 ~ 5	18.5
	GPR-11H30D	330W D.C. Power Supply	0 ~ 110	0 ~ 3	13.5
	GPR-30H10D	300W D.C. Power Supply	0 ~ 300	0 ~ 1	13.5
ACCESSORIES:					
User manual x 1, Power cord x 1					
Test lead CTL-105 x 1 ($\leq 3\text{A}$) or CTL-104 x 1 ($\leq 10\text{A}$) or Not Available ($>10\text{A}$)					

NOTE: CE Approved Only for GPR-1820HD, GPR-3510HD, GPR-7550D, GPR-11H30D
Rear-Panel Output for GPR-0830HD, GPR-1820HD

Rear Panel



LINEAR D.C. POWER SUPPLY



GPR-M Series

CE

Patent No. 81011

FEATURES

- 0.01% High Regulation
- Constant Voltage and Constant Current Operation
- Internal Select for Continuous or Dynamic Load
- Low Ripple and Noise
- Overload and Reverse Polarity protection
- 3 1/2 Digit 0.5" LED Display

The GPR-M Series are single output, 180W, linear DC power supplies. Featuring all the same functions as the GPR-H Series but for lower power demands. Like the GPR-H Series, the GPR-M Series are suitable for high-end precision bench top applications. Low load and line regulation for both constant voltage and constant current mode ensure reliable, predictable output. Overload and reverse polarity protection as well as internal selection for dynamic or constant load are standard.

SPECIFICATIONS	
CONSTANT VOLTAGE OPERATION	
Regulation	Line regulation $\leq 0.01\% + 3\text{mV}$ Load regulation $\leq 0.01\% + 5\text{mV}$ ($<10\text{A}$) Load regulation $\leq 0.02\% + 5\text{mV}$ ($\geq 10\text{A}$)
Ripple & Noise	$\leq 1\text{mVrms}$ 5Hz ~ 1MHz
Recovery Time	$\leq 100\text{ }\mu\text{s}$ (50% load change, minimum load 0.5A)
Output Range	0 to rating voltage continuously adjustable
CONSTANT CURRENT OPERATION	
Regulation	Line regulation $\leq 0.2\% + 3\text{mA}$ Load regulation $\leq 0.2\% + 3\text{mA}$
Ripple Current	$\leq 3\text{mA rms}$
Output Range	0 to rating current continuously adjustable
METER	
Digital	3 1/2 Digits 0.5" LED display Accuracy $\pm (0.5\% \text{ of rdg.} + 2 \text{ digits})$
INSULATION	
Chassis and Terminal	20M Ω or above (DC 500V)
Chassis and AC Cord	30M Ω or above (DC 500V)
POWER SOURCE	
AC 100V/120V/220V/240V $\pm 10\%$, 50/60Hz	
DIMENSIONS	
254(W) x 152(H) x 349(D) mm	

ORDERING INFORMATION				
	Model	Output Volts (V)	Output Amps (A)	Weight (kg)
GPR-1810HD	180W D.C. Power Supply	0 ~ 18	0 ~ 10	11.5
GPR-3060D	180W D.C. Power Supply	0 ~ 30	0 ~ 6	11.5
GPR-6030D	180W D.C. Power Supply	0 ~ 60	0 ~ 3	11.5
ACCESSORIES:				
User manual x 1, Power cord x 1				
Test lead CTL-105 x 1 (GPR-6030D)				
CTL-104 x 1 (GPR-1810HD/3060D)				
OPTIONAL ACCESSORIES				
GRA-401 Rack Adapter Panel				