

Multiple Output Programmable Linear D.C. Power Supply



GPD-2303S/3303S/ 4303S/3303D



FEATURES

- * 2, 3 and 4 Independent Isolated Output
- * 4 LED Display Sets : 3 Digits After Decimal Point (GPD-2303S/3303S/4303S)
- * Minimum Resolution :
GPD-2303S/3303S/4303S (1mV/1mA)
GPD-3303D (100mV/10mA)
- * Digital Panel Control (Rotary Encoder Switch, Rubber Key With Indicator)
- * User-Friendly Operation, Coarse / Fine Volume Control
- * 4 Sets Save / Recall
- * Key-Lock
- * Output ON/OFF
- * Tracking Series and Parallel Mode
- * Smart Cooling Fan Achieving Low Noise
- * Compact Design
- * PC Software & USB Driver
- * USB Standard Interface
- * Optional European Jack Type Terminal

European Type Jack Terminal



Rear Panel



The GPD-Series is cutting edge, economical, high resolution programmable power supplies. They are equipped with 2, 3 and 4 independent output channels and support a maximum output from 180Watt to 195Watt. The power supplies include four sets of memory for voltage and current setting, a USB remote interface, high resolution (GPD-2303S / GPD-3303S / GPD-4303S) and intelligent fan control to reduce noise. The durable features along with the free output monitoring software make the GPD-Series suitable for any lab as well as the LED industry.

SPECIFICATIONS												
	GPD-2303S			GPD-3303S			GPD-4303S			GPD-3303D		
OUTPUT												
Channel Voltage	CH1	CH2	CH1	CH2	CH3	CH1	CH2	CH3	CH4	CH1	CH2	CH3
	0~30V	0~30V	0~30V	0~30V	2.5/3.3/5.0V	0~30V	0~30V	0~5V or 5.001V~10V	0~5V	0~30V	0~30V	2.5/3.3/5.0V
Current	0~3A	0~3A	0~3A	0~3A	0~3A	0~3A	0~3A	0~1A or 0~1A	0~1A	0~3A	0~3A	0~3A
CONSTANT VOLTAGE OPERATION												
Regulation	Line regulation $\leq 0.01\%+3mV$ Load regulation $\leq 0.01\%+3mV$ (rating current $\leq 3A$); $\leq 0.02\%+5mV$ (rating current $>3A$)											
Ripple & Noise	$\leq 1mVrms$ (5Hz~1MHz)											
Recovery Time	$\leq 100 \mu s$ (50%Load change, Minimum load 0.5A)											
Temp.Coefficient	$\leq 300ppm / ^\circ C$											
Output Range	0 to rating voltage continuously adjustable											
CONSTANT CURRENT OPERATION												
Regulation	Line regulation $\leq 0.2\%+3mA$; Load regulation $\leq 0.2\%+3mA$											
Ripple Current	$\leq 3mA_{rms}$											
Output Range	0 to rating current continuously adjustable											
TRACKING OPERATION												
Regulation of PAR.	Line regulation $\leq 0.01\%+3mV$											
Regulation of SER.	Line regulation $\leq 0.01\%+3mV$ (rating current $\leq 3A$); $\leq 0.02\%+5mV$ (rating current $>3A$)											
Tracking Error	Line regulation $\leq 0.01\%+5mV$ Load regulation $\leq 300mV$											
	$\leq 0.5\% \pm 10mV$ (10 ~ 30V no load) with load added $\leq 300mV$ $\leq 0.5\% \pm 30mV$ (0 ~ 9.99V no load) with load added $\leq 300mV$											
METER												
Tracking error	$\leq 0.5\% + 10mV$											
Display	Voltage: 4 3/4 digits 0.4" LED Display Current: 3 3/4 digits 0.4" LED Display											
Resolution	Voltage: 1mV Current: 1mA											
Program Accuracy(25 \pm 5 $^\circ C$)	Voltage: $\pm(0.03\%$ of RDG+10 digits) Current: $\pm(0.3\%$ of RDG +10 digits)											
Readback Accuracy(25 \pm 5 $^\circ C$)	Voltage: $\pm(0.03\%$ of RDG+10 digits) Current: $\pm(0.3\%$ of RDG +10 digits)											
CH3 SPECIFICATIONS												
Output Voltage		(2.5V/3.3V/5V) $\pm 8\%$	0~5V / 5~10V	(2.5V/3.3V/5V) $\pm 8\%$								
Output Current		3A	0~3A / 0~1A	3A								
Regulation (25 \pm 5 $^\circ C$)		Line regulation $\leq 0.01\%+3mV$ Load regulation $\leq 0.01\%+3mV$	Line regulation $\leq 0.01\%+3mV$ Load regulation $\leq 0.01\%+3mV$	Line regulation $\leq 0.01\%+3mV$ Load regulation $\leq 0.01\%+3mV$								
Repple & Noise		$\leq 1mVrms$ (5Hz~1MHz)	$\leq 2mVrms$ (5Hz~1MHz)	$\leq 1mVrms$ (5Hz~1MHz)								
KEY LOCK												
Yes												
MEMERY SAVE/RECALL												
4 sets												
POWER SOURCE												
AC100V/120V/220V/230V $\pm 10\%$, 50/60Hz												
DIMENSION & WEIGHT												
210(W) x 130 (H) x 265 (D) mm ; Approx. 7kg												

ORDERING INFORMATION

- GPD-2303S GPD-2303S 2 Channels, 180W Programmable Linear DC Power Supply
- GPD-3303S GPD-3303S 3 Channels, 195W Programmable Linear DC Power Supply
- GPD-4303S GPD-4303S 4 Channels, 195W Programmable Linear DC Power Supply
- GPD-3303D GPD-3303D 3 Channels, 195W Programmable Linear DC Power Supply

ACCESSORIES :

User Manual x 1, Power cord x 1

GPD-2303S Test Lead GTL-104A x 2, European Test Lead GTL-204Ax2, GTL-201A x 1

GPD-3303S Test Lead GTL-104A x 2, GTL-105A x 1; European Test Lead GTL-203A x 1, GTL-204A x 2, GTL-201A x 1

GPD-4303S Test Lead GTL-104A x 2, GTL-105A x 2; European Test Lead GTL-203A x 2, GTL-204A x 2, GTL-201A x 1

GPD-3303D Test Lead GTL-104A x 2, GTL-105A x 1; European Test Lead GTL-203A x 1, GTL-204A x 2, GTL-201A x 1

OPTIONAL ACCESSORIES

GTL-246 USB Cable

FREE DOWNLOAD

PC Software PC Software including Data Log
Driver Labview Driver