

# MULTIPLE OUTPUT PROGRAMMABLE LINEAR D.C. POWER SUPPLY



The GPO-Series contain the superior technology and high quality which GW Instek had established through its long history of power supply design and manufacturing. The GPO-Series offers digital panel control, large display, bright LED indicators, high output resolution, 4 sets of setup memory, USB remote control and smart cooling fan control. Additionally, the GPO-Series provide easy operation, a wide selection of panel settings and the most important for a reasonable price. All these features make the GPO-Series the most promising new comer in the power supply market.

## High Resolution

With 1 mV/1 mA (for GPD-2303S/3303S/4303S) high resolution and coarse/fine volume control the GPO-Series, guarantees clean and stable output. Using the GPO-Series you can easily simulate the device under test's accurate behavior against small changes in voltage or current, which is impossible when using a low resolution power supply.

## Tracking Series and Parallel Function

Tracking series and parallel function allows you to use the GPO-Series in wide range of applications. The tracking series mode guarantees higher output voltage, while the tracking parallel mode guarantees higher output current.

## Convenience Functions

The knobs are digitally controlled, allowing fine or coarse volume setting. The key lock feature locks panel operations, preventing accidental change of the settings which might lead damaging for the equipments.

## 4 Sets of Save / Recall

The GPO-Series can save and recall panel settings, these feature which can not offered by general power supplies. You can quickly select a panel setting from four memory sets without manual configuration.

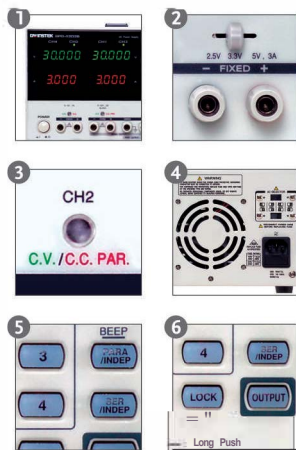
## USB Remote Control

The USB device port in the GPO-Series allows you to remotely control the power supply according to your application needs.

## GPD-2303S/3303S/4303S GPD-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 (1 mV/1 mA)  
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



### FUNCTION FEATURES

1. Bright LED display shows settings or actual level of output
2. The independent CH3 output offers three commonly used voltage settings (GPD-3303S/3303D only)
3. C.V./C.C. modes are clearly indicated in different colors
4. Smart cooling fan control offers a well-balanced cooling mechanism, ensuring quiet operation
5. The tracking series and parallel mode can be selected with a single touch
6. Indicators embedded in the keys provide an instant view of the power supply status; the Key Lock feature prevents improper operation

### APPLICATIONS

- Laboratories and Educational Facilities
- Product Testing and Quality Assurance
- Service Operation and Post-Sales Support
- Product Development and Debugging

## SPECIFICATIONS

OUTPUT	Channel Voltage Current	GPD-2303S		GPD-3303S			GPD-4303S				GPD-3303D		
		CHI	CH2	CHI	CH2	CH3	CHI	CH2	CH3	CH4	CHI	CH2	CH3
		0~30V	0~30V	0~30V	0~30V	2.5/3.3/5.0V	0~30V	0~30V	0~5V or 5.00V~10V	0~5V	0~30V	0~30V	2.5/3.3/5.0V
		0~3A	0~3A	0~3A	0~3A	0~3A	0~3A	0~3A	0~3A or 0~1A	0~1A	0~3A	0~3A	0~3A
CONSTANT VOLTAGE OPERATION	Regulation	Line regulation S 0.01%+3mV Load regulation S 0.01%+3mV(rating current.S 3A) S 0.02%+5mV(rating current >3A)											
	Ripple & Noise	S 1mVrms (5Hz~1 MHz)											
	Recovery Time	S 100 μs (50%Load change, Minimum load 0.5A)											
	Temp.Coefficient	.S300ppm / °C											
	Output Range	0 to rating voltage continuously adjustable											
CONSTANT CURRENT OPERATION	Regulation	Line regulation,S 0.2%+3mA Load regulation,S 0.2%+3mA											
	Ripple Current	.S3mArms											
	Output Range	0 to rating current continuously adjustable											
TRACKING OPERATION	Regulation of PAR.	Line regulation S 0.01%+3mV Load regulation.S 0.01%+3mV (rating current.S3A) S 0.02%+5mV (rating current >3A)											
	Regulation of SER.	Line regulation S 0.01%+5mV Load regulation,S 300mV Tracking error S 0.5%±1 OmV (10 ~ 30V no load) with load added S 300mV) S 0.5%±30mV (0 ~ 9.99V no load) with load added S 300mV)											
	Tracking error	.S0.5% + 10mV					.S0.5% + 50mV						
METER	Display	Voltage : 4 3/4 digits 0.4" LED Display Current: 3 3/4 digits 0.4" LED Display					Voltage:2 3/4 digits 0.4" LED Display Current:2 3/4 digits 0.4" LED Display						
	Resolution	Voltage : 1mV Current: 1mA					Voltage: 100mV Current: 1 OmA						
	Program Accuracy(25±5°C)	Voltage: ±(0.03% of RDG + 10 digits) Current: ±(0.3% of RDG + 10 digits)					Voltage:±(0.5% of RDG+2 digits) Current:±(0.5% of RDG+2 digits)						
	Readback Accuracy(25±5°C)	Voltage: ±(0.03% of RDG + 10 digits) Current: ±(0.3% of RDG + 10 digits)					Voltage:±(0.5% of RDG+2 digits) Current:±(0.5% of RDG+2 digits)						
CH3 SPECIFICATIONS	Output Voltage		( 2.5V/3.3V/5V )±8%			0-5V / 5~10V				( 2.5V/3.3V/5V )±8%			
	Output Current Regulation(25±5°C)		3A Line regulation,S 0.01%+3mV Load regulation,S 0.01%+3mV			0~3A / 0~1A Line regulation.S 0.01%+3mV Load regulation S 0.01%+3mV				3A Line regulation.S 0.01%+3mV Load regulation S 0.01%+3mV			
	Repple & Noise		S 1mVrms(5Hz~1 MHz)			S 2mVrms(5Hz~1 MHz)				S 1mVrms(5Hz~1 MHz)			
KEY LOCK	Yes												
MEMERY SAVE/RECALL	4 sets												
POWER SOURCE	ACI 00V/120V/220V/230V± 10%, 50/60Hz												
DIMENSION & WEIGHT	210(W) x 130 (H) x 265 (D) mm; Approx. 7kg												

Specifications subject to change without notice. PD-0000DGD1 DH

### ORDERING INFORMATION

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

### ACCESSORIES

	User Manual x 1, Power cord x 1
<b>GPD-2303S</b>	Test Lead GTL-104Ax2;European Test Lead GTL-204Ax2, GTL-201Ax1
<b>GPD-3303S</b>	Test Lead GTL-104Ax2,GTL-105Ax1;European Test Lead GTL-203Ax1,GTL-204Ax2,GTL-201Ax1
<b>GPD-4303S</b>	Test Lead GTL-104Ax2,GTL-105Ax2;European Test Lead GTL-203Ax2,GTL-204Ax2,GTL-201Ax1
<b>GPD-3303D</b>	Test Lead GTL-104Ax2,GTL-105Ax1;European Test Lead GTL-203Ax1,GTL-204Ax2,GTL-201Ax1

### OPTIONAL ACCESSORIES

<b>GTL-246</b>	USB Cable
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