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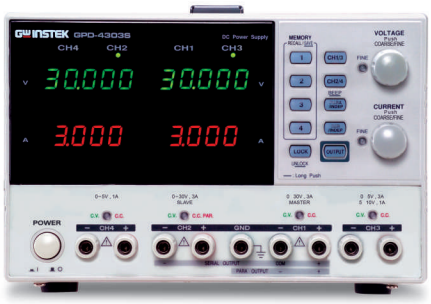
MULTIPLE OUTPUT PROGRAMMABLE LINEAR D.C. POWER SUPPLY



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

CE | USB | PC Software | LabVIEW Driver

The GPD-Series contain the superior technology and high quality which GW Instek had established through its long history of power supply design and manufacturing. The GPD-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 GPD-Series provide easy operation, a wide selection of panel settings and the most important for a reasonable price. All these features make the GPD-Series the most promising new comer in the power supply market.

High Resolution

With 1mV/1mA (for GPD-2303S/3303S/4303S) high resolution and coarse/fine volume control the GPD-Series, guarantees clean and stable output. Using the GPD-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 GPD-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

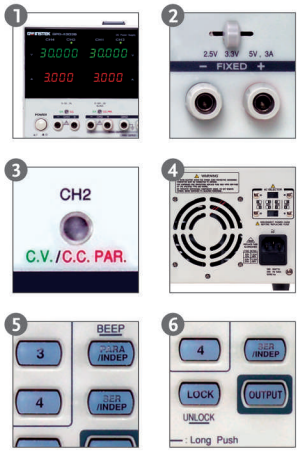
The GPD-Series can save and recall panel settings, these feature which can not offered by general power supplies. You can quickly select a panel setting from four memory sets without manual configuration.

USB Remote Control

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

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



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

GW INSTEK
Simply Reliable

SPECIFICATIONS

		GPD-2303S		GPD-3303S			GPD-4303S				GPD-3303D		
OUTPUT	Channel	CH1	CH2	CH1	CH2	CH3	CH1	CH2	CH3	CH4	CH1	CH2	CH3
	Voltage	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	0~3A or 0~1A	0~1A	0~3A	0~3A	0~3A
CONSTANT VOLTAGE OPERATION	Regulation	Line regulation ≤ 0.01%+3mV Load regulation ≤ 0.01%+3mV(rating current≤ 3A) ≤ 0.02%+5mV(rating current >3A)											
	Ripple & Noise	≤ 1mVrms (5Hz~1MHz)											
	Recovery Time	≤100 μS (50%Load change, Minimum load 0.5A)											
	Temp.Coefficient	≤300ppm / ℃											
	Output Range	0 to rating voltage continuously adjustable											
CONSTANT CURRENT OPERATION	Regulation	Line regulation≤ 0.2%+3mA Load regulation≤ 0.2%+3mA											
	Ripple Current	≤3mArms											
	Output Range	0 to rating current continuously adjustable											
TRACKING OPERATION	Regulation of PAR.	Line regulation ≤ 0.01%+3mV Load regulation≤ 0.01%+3mV (rating current≤3A) ≤ 0.02%+5mV (rating current >3A)											
	Regulation of SER.	Line regulation ≤ 0.01%+5mV Load regulation≤ 300mV Tracking error ≤ 0.5%±10mV (10 ~ 30V no load) with load added≤ 300mV) ≤ 0.5%±30mV (0 ~ 9.99V no load) with load added≤ 300mV)											
	Tracking error	≤0.5% + 10mV									≤0.5% + 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:10mA		
	Program Accuracy(25±5℃)	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 Aaccuracy(25±5℃)	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 Output Current Regulation(25±5℃) Repple & Noise	–		(2.5V/3.3V/5V)±8% 3A Line regulation≤ 0.01%+3mV Load regulation≤ 0.01%+3mV ≤1mVrms(5Hz~1MHz)			0~5V / 5~10V 0~3A / 0~1A Line regulation≤ 0.01%+3mV Load regulation ≤ 0.01%+3mV ≤2mVrms(5Hz~1MHz)				(2.5V/3.3V/5V)±8% 3A Line regulation≤ 0.01%+3mV Load regulation ≤ 0.01%+3mV ≤1mVrms(5Hz~1MHz)		
KEY LOCK	Yes												
MEMERY SAVE/RECALL	4 sets												
POWER SOURCE	AC100V/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-0000DGD1DH

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-104Ax2;European Test Lead GTL-204Ax2, GTL-201Ax1
GPD-3303S Test Lead GTL-104Ax2,GTL-105Ax1;European Test Lead GTL-203Ax1,GTL-204Ax2,GTL-201Ax1
GPD-4303S Test Lead GTL-104Ax2,GTL-105Ax2;European Test Lead GTL-203Ax2,GTL-204Ax2,GTL-201Ax1
GPD-3303D Test Lead GTL-104Ax2,GTL-105Ax1;European Test Lead GTL-203Ax1,GTL-204Ax2,GTL-201Ax1

OPTIONAL ACCESSORIES

GTL-246 USB Cable

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