

# MULTIPLE OUTPUT PROGRAMMABLE LINEAR D.C. POWER SUPPLY



**NEW**

## GPD-3303S/3303D



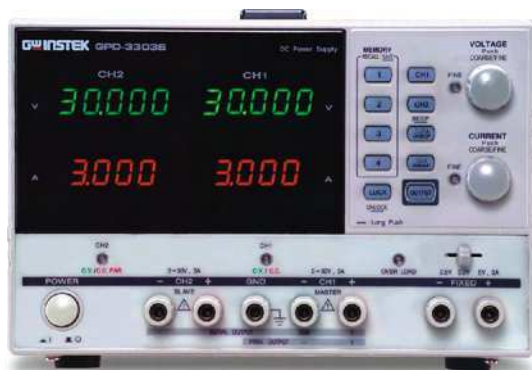
The GPD-3303S / GPD-3303D series inherits the superior technology and high quality, which GW Instek has established through its long history of power supply design and manufacturing. The GPD-3303S / GPD-3303D series provides 195W output power, three isolated output channels, high resolution output (GPD-3303S), digital control panel, 4 sets of setup memory, USB remote control, smart cooling fan control, high reliability, and compact size. The GPD-3303S / GPD-3303D establish a new benchmark for economic programmable linear D.C. power supply market segment. The most remarkable feature of this series product with minimum 1mV / 1mA resolution of GPD-3303S, which right fits into the applications needing accurate control of power source. GPD-3303D, another member of the family, is considered a digitally-upgraded version of GPS-3303. Besides the same power output features and the common specifications of GPS-3303, that GPD-3303S / GPD-3303D has a bigger display for Voltage and Current readings, a digital panel, and a USB port, which lifts up the product to a programmable device at a little additional cost.

## FEATURES

- \* **Three Independent Output :**  
(30V/3A x 2), (2.5V/3.3V/5V)/3A x 1 (Fixed)
- \* **4 LED Display Sets :** 3 Digits After Decimal Point
- \* **Minimum Resolution :**  
1mV/1mA (GPD-3303S), 100mV/10mA (GPD-3303D)
- \* **Digital Panel Control (Rotary Encoder Switch, Rubber Key With Indicator)**
- \* **User-Friendly Operation, Coarse/Fine Volume Control**
- \* **4 Sets Save/Recall**
- \* **Key-Lock**
- \* **Warning Buzzer**
- \* **Output ON/OFF**
- \* **Tracking Series and Parallel Mode**
- \* **Smart Cooling Fan Achieving Low Noise**
- \* **Compact Design**

## SPECIFICATIONS

	GPD-3303S	GPD-3303D
<b>OUTPUT</b>		
<b>Voltage</b>	0~30.0V x 2, 2.5V/3.3V/5.0V x 1	
<b>Current</b>	0~3.0A x 2, 3.0A (Fixed)	
<b>CONSTANT VOLTAGE OPERATION</b>		
<b>Regulation</b>	Line regulation $\leq 0.01\%+3mV$ Load regulation $\leq 0.01\%+3mV$ (rating current $\leq 3A$ ) $\leq 0.02\%+5mV$ (rating current $>3A$ )	
<b>Ripple &amp; Noise</b>	$\leq 1mV_{rms}$ (5Hz~1MHz)	
<b>Recovery Time</b>	$\leq 100\mu S$ (50% Load change, Minimum load 0.5A)	
<b>Temp. Coefficient</b>	$\leq 300ppm / ^\circ C$	
<b>Output Range</b>	0 to rating voltage continuously adjustable	
<b>CONSTANT CURRENT OPERATION</b>		
<b>Regulation</b>	Line regulation $\leq 0.2\%+3mA$ Load regulation $\leq 0.2\%+3mA$	
<b>Ripple Current</b>	$\leq 3mA_{rms}$	
<b>Output Range</b>	0 to rating current continuously adjustable	
<b>TRACKING OPERATION</b>		
<b>Regulation of PAR.</b>	Line regulation $\leq 0.01\%+3mV$ Load regulation $\leq 0.01\%+3mV$ (rating current $\leq 3A$ ) $\leq 0.02\%+5mV$ (rating current $>3A$ )	
<b>Regulation of SER.</b>	Line regulation $\leq 0.01\%+5mV$ Load regulation $\leq 300mV$ Tracking error $\leq 0.5\% \pm 10mV$ (10 ~ 30V no load) with load added $\leq 300mV$ $\leq 0.5\% \pm 30mV$ (0 ~ 9.99V no load) with load added $\leq 300mV$	
<b>Tracking error</b>	$\leq 0.5\% + 10mV$	$\leq 0.5\% + 50mV$
<b>METER</b>		
<b>Display</b>	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
<b>Resolution</b>	Voltage : 1mV Current : 1mA	Voltage : 100mV Current : 10mA
<b>Program accuracy (25<math>\pm</math>5<math>^\circ</math>C )</b>	Voltage : $\pm(0.03\%$ of RDG +10 digits) Current : $\pm(0.3\%$ of RDG +10 digits)	Voltage : $\pm(0.5\%$ of RDG +2 digits) Current : $\pm(0.5\%$ of RDG +2 digits)
<b>Readback accuracy (25<math>\pm</math>5<math>^\circ</math>C )</b>	Voltage : $\pm(0.03\%$ of RDG +10 digits) Current : $\pm(0.3\%$ of RDG +10 digits)	Voltage : $\pm(0.5\%$ of RDG +2 digits) Current : $\pm(0.5\%$ of RDG +2 digits)
<b>CH3 SPECIFICATIONS</b>		
<b>Output Voltage</b>	(2.5V/3.3V/5V) $\pm 8\%$	
<b>Output Current</b>	3A	
<b>Regulation (25<math>\pm</math>5<math>^\circ</math>C )</b>	Line regulation $\leq 5mV$ Load regulation $\leq 15mV$	
<b>Reple &amp; Noise</b>	$\leq 2mV_{rms}$	
<b>KEY LOCK</b>		
Yes		
<b>MEMERY SAVE/RECALL</b>		
4 sets		
<b>POWER SOURCE</b>		
AC100V/120V/220V/230V $\pm 10\%$ , 50/60Hz		
<b>DIMENSION &amp; WEIGHT</b>		
210(W) x 130(H) x 265(D) mm ; Approx. 7kg		



**GPD-3303S**

**Rear Panel**



**ORDERING INFORMATION**

- GPD-3303S** Multiple Output High Resolution Programmable Linear D.C. Power Supply
- GPD-3303D** Multiple Output Programmable Linear D.C. Power Supply

**ACCESSORIES :**

- User Manual x1
- Power cord x1
- Test lead GTL-104 x 2, GTL-105 x 1
- European Test Lead GTL-203 x 1 , GTL-204 x 2

**Optional Accessories**

- GTL-246** USB Cable