



**GPD-3303S/3303D**



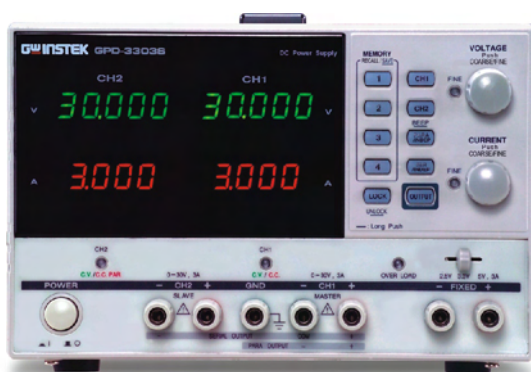
The GPD-3303S / GPD-3303D series inherits the superior technology and high quality, which GW Instek has established through its long history of power supply design and manufacturing. The GPD-3303S / GPD-3303D series provides 195W output power, three isolated output channels, high resolution output (GPD-3303S), 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

| SPECIFICATIONS                              |                                                                                                                                                                                                                                         | GPD-3303S                                                                          | GPD-3303D |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------|
| OUTPUT                                      |                                                                                                                                                                                                                                         |                                                                                    |           |
| Voltage                                     | 0~30.0V x 2 , 2.5V/3.3V/5.0V x 1                                                                                                                                                                                                        |                                                                                    |           |
| Current                                     | 0~3.0A x 2 , 3.0A (Fixed)                                                                                                                                                                                                               |                                                                                    |           |
| CONSTANT VOLTAGE OPERATION                  |                                                                                                                                                                                                                                         |                                                                                    |           |
| Regulation                                  | Line regulation $\leq 0.01\%+3mV$<br>Load regulation $\leq 0.01\%+3mV$ (rating current $\leq 3A$ )<br>$\leq 0.02\%+5mV$ (rating current $>3A$ )                                                                                         |                                                                                    |           |
| Ripple & Noise                              | $\leq 1mV_{rms}$ (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 $\leq 0.2\%+3mA$<br>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 $\leq 0.01\%+3mV$<br>Load regulation $\leq 0.01\%+3mV$ (rating current $\leq 3A$ )<br>$\leq 0.02\%+5mV$ (rating current $>3A$ )                                                                                         |                                                                                    |           |
| Regulation of SER.                          | Line regulation $\leq 0.01\%+5mV$<br>Load regulation $\leq 300mV$<br>Tracking error $\leq 0.5\%\pm 10mV$ (10 ~ 30V no load)<br>with load added $\leq 300mV$<br>$\leq 0.5\%\pm 30mV$ (0 ~ 9.99V no load)<br>with load added $\leq 300mV$ |                                                                                    |           |
| Tracking error                              | $\leq 0.5\% + 10mV$                                                                                                                                                                                                                     | $\leq 0.5\% + 50mV$                                                                |           |
| METER                                       |                                                                                                                                                                                                                                         |                                                                                    |           |
| Display                                     | Voltage : 4 3/4 digits 0.4" LED Display<br>Current : 3 3/4 digits 0.4" LED Display                                                                                                                                                      | Voltage : 2 3/4 digits 0.4" LED Display<br>Current : 2 3/4 digits 0.4" LED Display |           |
| Resolution                                  | Voltage : 1mV<br>Current : 1mA                                                                                                                                                                                                          | Voltage : 100mV<br>Current : 10mA                                                  |           |
| Program accuracy(25 $\pm 5^\circ C$ )       | Voltage : $\pm(0.03\%$ of RDG +10 digits)<br>Current : $\pm(0.3\%$ of RDG +10 digits)                                                                                                                                                   | Voltage : $\pm(0.5\%$ of RDG +2 digits)<br>Current : $\pm(0.5\%$ of RDG +2 digits) |           |
| Readback accuracy(25 $\pm 5^\circ C$ )      | Voltage : $\pm(0.03\%$ of RDG +10 digits)<br>Current : $\pm(0.3\%$ of RDG +10 digits)                                                                                                                                                   | Voltage : $\pm(0.5\%$ of RDG +2 digits)<br>Current : $\pm(0.5\%$ of RDG +2 digits) |           |
| CH3 SPECIFICATIONS                          |                                                                                                                                                                                                                                         |                                                                                    |           |
| Output Voltage                              | (2.5V/3.3V/5V) $\pm 8\%$                                                                                                                                                                                                                |                                                                                    |           |
| Output Current                              | 3A                                                                                                                                                                                                                                      |                                                                                    |           |
| Regulation(25 $\pm 5^\circ C$ )             | Line regulation $\leq 5mV$<br>Load regulation $\leq 15mV$                                                                                                                                                                               |                                                                                    |           |
| Repple & Noise                              | $\leq 2mV_{rms}$                                                                                                                                                                                                                        |                                                                                    |           |
| 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 |                                                                                                                                                                                                                                         |                                                                                    |           |



**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



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