



**GPD-3303S/3303D**



## 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
- \* PC Software & USB Driver
- \* USB Standard Interface

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 and GPD-3303D series provide 195W output power, three isolated output channels, high resolution output (GPD-3303S), a digital control panel, 4 sets of setup memory, USB remote control, smart cooling fan control, high reliability, and a compact size. The GPD-3303S / GPD-3303D series establish a new benchmark for economical programmable linear D.C. power supplies. The most remarkable feature of this series is the minimum 1mV / 1mA resolution of the GPD-3303S. The high resolution of the GPD-3303S is ideal for any applications that need accurate control of power sources. Both power supplies feature a USB port, a digital panel and the same output and features, however the GPD-3303S has a larger LCD display at the expense of a slightly lower resolution.

| 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 x 1

Power cord x1

Test leadGTL-104 x 2, GTL-105 x 1

European Test Lead GTL-203 x 1 , GTL-204 x 2

### OPTIONAL ACCESSORIES

**GTL-246** USB Cable

### FREE DOWNLOAD

**PC Software** PC Software including Data Log  
**Driver** Labview Driver