



## PSS-2005/3203



### FEATURES

- \* Digitized Programmable Interface
- \* High Resolution 10mV, 1mA
- \* High Stability, Low Drift
- \* Over-Voltage, Over-Current, Over Temperature Protection
- \* Intelligent Fan Control (Change by Output Power)
- \* Built-in Buzzer Alarm
- \* LabVIEW Driver
- \* Standard Interface : RS-232C
- \* Optional Interface : GPIB (IEEE-488.2)
- \* Optional European Jack Type Terminal

The PSS-Series are single output, 96 or 100W, programmable linear DC power supplies. OVP, OCP, and OTP protect the PSS series and their load from unexpected conditions. The LCD panel simultaneously displays output and other parameters and the regulated cooling fan ensures low noise for comfortable operation. RS232C and GPIB interfaces, SCPI command sets and LABVIEW drivers make remote control and ATE software development easier. (Note: only RS-232C or GPIB can be installed at one time) The compact PSS series are suitable for any high resolution bench-top or rack mount application.

| SPECIFICATIONS                                   |  |          |
|--|--|----------|
|  | PSS-2005   | PSS-3203 |
| <b>OUTPUT</b>                                    |  |          |
| Voltage  | 0~20V  | 0~32V    |
| Current  | 0~5A   | 0~3A     |
| OVP  | 0~21V  | 0~33V    |
| <b>LOAD REGULATION</b>                           |  |          |
| Voltage  | ≤ 3mV (≤ 5mV, rating current >3.0A)                                |          |
| Current  | ≤ 3mA (≤ 5mA, rating current >3.0A)                                |          |
| <b>LINE REGULATION</b>                           |  |          |
| Voltage  | ≤ 3mV  |          |
| Current  | ≤ 3mA  |          |
| <b>RESOLUTION</b>                                |  |          |
| Voltage  | 10mV   |          |
| Current  | 1mA (2mA, rating current >3.0A)                                    |          |
| OVP  | 10mV   |          |
| <b>PROGRAM ACCURACY(25 ± 5°C)</b>                |  |          |
| Voltage  | ≤ 0.05%+20mV   |          |
| Current  | ≤ 0.1%+5mA (+10mA, rating current >3.0A)                           |          |
| OVP  | ≤ 0.05%+20mV   |          |
| <b>RIPPLE &amp; NOISE(20Hz~20MHz)</b>            |  |          |
| Voltage  | Ripple ≤ 1mVrms/3mVp-p Noise ≤ 2mVrms/30mVp-p                      |          |
| Current  | ≤ 3mA <sub>rms</sub> (≤ 5mA <sub>rms</sub> , rating current >3.0A) |          |
| <b>TEMPERATURE COEFFICIENT (0 ~ 40°C)</b>        |  |          |
| Voltage  | ≤ 100ppm+3mV   |          |
| Current  | ≤ 100ppm+3mA   |          |
| <b>READBCK RESOLUTION</b>                        |  |          |
| Voltage  | 10mV   |          |
| Current  | 1mA (2mA, rating current >3.0A)                                    |          |
| <b>READBCK ACCURACY(25 ± 5°C)</b>                |  |          |
| Voltage  | ≤ 0.05%+10mV   |          |
| Current  | ≤ 0.1%+5mA (10mA rating current >3.0A)                             |          |
| <b>READBCK TEMPERATURE COEFFICIENT</b>           |  |          |
| Voltage  | ≤ 100ppm+10mV  |          |
| Current  | ≤ 100ppm+5mA (10mA rating current >3.0A)                           |          |
| <b>RESPONSE TIME</b>                             |  |          |
| Voltage Up (10%~90%)                             | ≤ 100ms  |          |
| Voltage Down (90%~10%)                           | ≤ 100ms (≥10% rating load)   |          |
| <b>DRIFT</b>                                     |  |          |
| Voltage  | ≤ 100ppm+10mV  |          |
| Current  | ≤ 150ppm+10mA  |          |
| <b>INTERFACE</b>                                 |  |          |
| Standard : RS-232C; Option: GPIB                 |  |          |
| <b>POWER SOURCE</b>                              |  |          |
| AC 100V/120V/ 220V±10%, 230V (+10%/-6%), 50/60Hz |  |          |
| <b>DIMENSIONS &amp; WEIGHT</b>                   |  |          |
| 108(W) x 142(H) x 318(D) mm, Approx. 4.8kg       |  |          |

### Rear Panel



### ORDERING INFORMATION

**PSS-2005** 100W Single Output Programmable D.C. Power Supply

**PSS-3203** 96W Single Output Programmable D.C. Power Supply

ACCESSORIES :

User manual x 1, Power cord x 1 Test lead GTL-104 x 1 (PSS-2005) or GTL-105 x 1 (PSS-3203)  
European Test Lead GTL-204 x 1 (PSS-2005) or GTL-203 x 1 (PSS-3203)

OPTION

Opt.01 : GPIB Interface (factory installed)

OPTIONAL ACCESSORIES

**GTL-232** RS232C Cable, 9-pin Female to 9-pin, null Modem for Computer

**GRA-408** Rack Adapter Panel

FREE DOWNLOAD

**PC Software Driver** PC Software including Data Log ; Remote Control Software  
LabView Driver

NOTE : When Opt.01 GPIB interface is ordered, the standard interface RS-232C will be deleted.

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