

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.

# 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
- \* Built-in Buzzer Alarm
- \* LabVIEW Driver
- \* Standard Interface: RS-232C
- \* Optional Interface : GPIB (IEEE-488.2)
- \* Optional European Jack Type Terminal

# **Rear Panel**



SPECIFICATIONS			
OUTPUT	PSS-2005	PSS-3203	
Voltage	0~20V	0~32V	
Current OVP	0~5A 0~21V	0~3A 0~33V	
LOAD REGULATION	0~210	0~33 ¥	
Voltage ≤ 3mV (≤ 5mV, rating current >3.0A)			
Current	≤ 3mV (≤ 5mV, rating current >3.0A) ≤ 3mA (≤ 5mA, rating current >3.0A)		
LINE REGULATION			
Voltage	≤ 3mV		
Current	≤ 3mA		
RESOLUTION			
Voltage	10mV		
Current	1mA (2mA, rating current >3.0A)		
OVP	10mV		
PROGRAM ACCURACY(25 ±5°C)			
Voltage	≤ 0.05%+20mV < 0.1%+5mA (+10mA, rating current>3.0A)		
Current OVP	< 0.05%+20mV		
RIPPLE & NOISE(20Hz~20MH	-		
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Voltage Current	Ripple ≤ 1mVrms/3mVp-p Noise ≤ 2mVrms/30mVp-p < 3mArms (< 5mArms, rating current >3.0A)		
TEMPERATURE COEFFICIENT (0 ~ 40°C)			
Voltage Current	≤ 100ppm+3mV   < 100ppm+3mA		
READBACK RESOLUTION			
Voltage	10mV		
Current	1mA (2mA, rating current >3.0	)A)	
READBACK ACCURACY(25 ±5°C)			
Voltage	< 0.05%+10mV		
Current	$\leq 0.1\% + 5$ mA (10mA rating current >3.0A)		
READBACK TEMPERATURE COEFFICIENT			
Voltage	< 100ppm+10mV	< 100ppm+10mV	
Current	≤ 100ppm+5mA (10mA rating current >3.0A)		
RESPONSE TIME			
Voltage Up (10%~90%)	≤ 100mS		
Voltage Down (90%~10%)	 ≤ 100mS (≥10% rating load)		
DRIFT			
Voltage	≤ 100ppm+10mV		
Current			
INTERFACE			
Standard : RS-232C; Option: GPIB			
POWER SOURCE			
AC 100V/120V/ 220V±10%, 230V (+10%/-6%), 50/60Hz			
DIMENSIONS & WEIGHT			
108(W) x 142(H) x 318(D) mm, Approx. 4.8kg			

## 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)

Opt.01: GPIBInterface (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 including Data Log; Remote Control Software LabView Driver

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