



PSS-Series



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
- * Option: GPIB (IEEE-488.2)
- * Optional European Jack Type Terminal

The PSS Series is single output, 96 or 100W, programmable linear DC power supply. OVP, OCP, and OTP protect PSS and loads from unexpected conditions. High resolution is maintained at 10mV, 1mA. LCD panel with simultaneous output/parameter view and automatically regulated cooling fan for low noise provide comfortable operation. SCPI command set and Labview driver access through RS-232C or optional GPIB interface provide remote control and ATE software development capability. The compact PSS Series is suitable for both bench-top and rack mounting applications in high resolution. (Note: only one interface, RS-232C or GPIB, can be installed at a time)

SPECIFICATIONS		
OUTPUT	PSS-2005	PSS-3203
Voltage	0~20V	0~32V
Current	0~5A	0~3A
OVP	0~21V	0~33V
LOAD REGULATION		
Voltage	≤ 3mV (≤ 5mV, rating current >3.0A)	
Current	≤ 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	
Current	≤ 0.1%+5mA (+10mA, rating current >3.0A)	
OVP	≤ 0.05%+20mV	
RIPPLE & NOISE(20Hz~20MHz)		
Voltage	Ripple : 1mVrms/3mVp-p ; Noise : 2mVrms/30mVp-p	
Current	≤ 3mA _{rms} (≤ 5mA _{rms} , rating current >3.0A)	
TEMPERATURE COEFFICIENT (0 ~ 40°C)		
Voltage	≤ 100ppm+3mV	
Current	≤ 100ppm+3mA	
READBACK RESOLUTION		
Voltage	10mV	
Current	1mA (2mA, rating current >3.0A)	
READBACK ACCURACY(25 ± 5°C)		
Voltage	≤ 0.05%+10mV	
Current	≤ 0.1%+5mA	
READBACK TEMPERATURE COEFFICIENT		
Voltage	≤ 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	≤ 150ppm+10mA	
INTERFACE		
Standard : RS-232C; Option: GPIB		
POWER SOURCE		
AC 100V/120V/ 220V±10%, 230V (+10%/-6%), 50/60Hz		
DIMENSIONS & WEIGHT		
108(W) x 140(H) x 315(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) Opt.02 : GRA-403 Rack Mounting (19", 4U)
Optional Accessories
GTL-232 RS232C Cable, 9-pin Female to 9-pin, null Modem for Computer

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