

PROGRAMMABLE LINEAR D.C. POWER SUPPLY



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

Rear Panel



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
OUTPUT		
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 (≤ 5mA, rating current >3.0A)	
TEMPERATURE COEFFICIENT (0 ~ 40°C)		
Voltage	≤ 100ppm+3mV	
Current	≤ 100ppm+3mA	
READBCK RESOLUTION		
Voltage	10mV	
Current	1mA (2mA, rating current >3.0A)	
READBCK ACCURACY(25 ± 5°C)		
Voltage	≤ 0.05%+10mV	
Current	≤ 0.1%+5mA (10mA rating current >3.0A)	
READBCK 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 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)

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.