

# Programmable D.C. Power Supply

C6



## 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

## PSS-Series

SPECIFICATIONS		
OUTPUT	PSS-2005	PSS-3203
Voltage	0~20V	0~32V
Current	0~5A	0~3A
OVP	0~21V	0~33V
<b>LOAD EFFECT</b>		
Voltage	$\leq 3\text{mV}$ ( $\leq 5\text{mV}$ , rating current $>3.0\text{A}$ )	
Current	$\leq 3\text{mA}$ ( $\leq 5\text{mA}$ , rating current $>3.0\text{A}$ )	
<b>SOURCE EFFECT</b>		
Voltage	$\leq 3\text{mV}$	
Current	$\leq 3\text{mA}$	
<b>RESOLUTION</b>		
Voltage	10mV	
Current	1mA (2mA, rating current $>3.0\text{A}$ )	
OVP	10mV	
<b>PROGRAM ACCURACY(25 ± 5°C)</b>		
Voltage	$\leq 0.05\%+20\text{mV}$	
Current	$\leq 0.1\%+5\text{mA}$ (+10mA, rating current $>3.0\text{A}$ )	
OVP	$\leq 0.05\%+20\text{mV}$	
<b>RIPPLE &amp; NOISE(20Hz~20MHz)</b>		
Voltage	Ripple : 1mVrms/3mVp-p Noise : 2mVrms/30mVp-p	
Current	$\leq 3\text{mA}_{\text{rms}}$ ( $\leq 5\text{mA}_{\text{rms}}$ , rating current $>3.0\text{A}$ )	
<b>TEMPERATURE COEFFICIENT (0 ~ 40°C)</b>		
Voltage	$\leq 100\text{ppm}+3\text{mV}$	
Current	$\leq 100\text{ppm}+3\text{mA}$	
<b>READBACK RESOLUTION</b>		
Voltage	10mV	
Current	1mA (2mA, rating current $>3.0\text{A}$ )	
<b>READBACK ACCURACY(25 ± 5°C)</b>		
Voltage	$\leq 0.05\%+10\text{mV}$	
Current	$\leq 0.1\%+5\text{mA}$	
<b>READBACK TEMPERATURE COEFFICIENT</b>		
Voltage	$\leq 100\text{ppm}+10\text{mV}$	
Current	$\leq 100\text{ppm}+5\text{mA}$ (+10mA rating current $>3.0\text{A}$ )	
<b>RESPONSE TIME</b>		
Voltage Up	10%~90% $\leq 100\text{mS}$	
Voltage Down	90%~10% $\leq 100\text{mS}$ ( $\pm 10\%$ rating load)	
<b>DRIFT</b>		
Voltage	$\leq 100\text{ppm}+10\text{mV}$	
Current	$\leq 150\text{ppm}+10\text{mA}$	

## INTERFACE

Standard : RS-232C; Option: GPIB (IEEE488.2)

## POWER SOURCE

AC 100V/ 120V/ 220V  $\pm 10\%$ , 230V (+10%/~6%), 50/60Hz

## ACCESSORIES

Instruction 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)

## DIMENSIONS & WEIGHT

108(W) x 140(H) x 315(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

## Option

**Opt.01** : GPIB Interface (factory installed)

**Opt.02** : GRA-403 Rack Mounting ( 19", 4U )

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

Strumenti di Misura Nuovi e Ricondizionati



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