

# Programmable D.C. Power Supply



## FEATURES

- \* Digitized Programmable Interface, High Resolution 10mV, 1mA
- \* 192 x 128 LCD Display, Display Several Setting and Measuring Result Simultaneously
- \* Over-Voltage, Over-Current, Over Temperature Protection
- \* Intelligent Fan Control(Change by Output Power)
- \* 100 Sets Memory
- \* Auto Step Running With Timp Setting
- \* Provided Auto Series and Parallel Function
- \* Labview Driver
- \* Standard Interface: RS-232C
- \* Option: GPIB (IEEE-488.2)
- \* Optional European Jack Type Terminal

## PST-Series

SPECIFICATIONS		
OUTPUT	PST-3202	PST-3201
<b>Voltage</b>	0~32Vx2, 0~6Vx1	0~32Vx3
<b>Current</b>	0~2Ax2, 0~5Ax1	0~1Ax3
<b>OVP</b>	0~33Vx2, 0~7Vx1	0~33Vx3
<b>LOAD EFFECT</b>		
<b>Voltage</b>	≤ 3mV (≤5mV rating current >3.0A)	
<b>Current</b>	≤ 3mA (≤5mA rating current >3.0A)	
<b>SOURCE EFFECT</b>		
<b>Voltage</b>	≤ 3mV	
<b>Current</b>	≤ 3mA	
<b>RESOLUTION</b>		
<b>Voltage</b>	10mV (20mV, rating voltage >36V)	
<b>Current</b>	1mA (2mA, rating current >3.0A)	
<b>OVP</b>	10mV (20mV, rating voltage >36V)	
<b>PROGRAM ACCURACY(25 ± 5°C)</b>		
<b>Voltage</b>	≤ 0.05%+20mV (+40mV, rating voltage>36V)	
<b>Current</b>	≤ 0.1%+5mA (+10mA, rating current>3.0A)	
<b>OVP</b>	≤ 0.05%+20mV(+40mV, rating voltage>36V)	
<b>RIPPLE &amp; NOISE(20Hz~20MHz)</b>		
<b>Voltage</b>	Ripple: 1mVrms/3mVp-p Noise: 2mVrms/30mVp-p	
<b>Current</b>	≤ 3mArms (≤5mArms, rating current >3.0A)	
<b>TEMPERATURE COEFFICIENT (0 ~ 40 °C)</b>		
<b>Voltage</b>	≤ 100ppm+3mV	
<b>Current</b>	≤ 100ppm+3mA	
<b>READBACK RESOLUTION</b>		
<b>Voltage</b>	10mV (20mV, rating voltage >36V)	
<b>Current</b>	1mA (2mA, rating current >3.0A)	
<b>READBACK ACCURACY(25 ± 5°C)</b>		
<b>Voltage</b>	≤ 0.05%+10mV (+20mV, rating voltage >36V)	
<b>Current</b>	≤ 0.1%+5mA	
<b>READBACK TEMPERATURE COEFFICIENT</b>		
<b>Voltage</b>	≤ 100ppm+10mV (+20mV, rating voltage >36V)	
<b>Current</b>	≤ 100ppm+5mA (+10mA, rating current >3.0A)	
<b>RESPONSE TIME</b>		
<b>Voltage Up</b>	10%~90% ≤ 100mS	
<b>Voltage Down</b>	90%~10% ≤ 100mS (≥ 10% rating load)	
<b>DRIFT</b>		
<b>Voltage</b>	≤ 100ppm+10mV (+20mV, rating voltage >36V)	
<b>Current</b>	≤ 150ppm+10mA	
<b>TRACK OPERATION</b>		
<b>Tracking Error</b>	0.1%+20mV	
<b>Series(Load Effect)</b>	≤ 20mV	

## PARALLEL OPERATION

<b>Program Accuracy</b> (25 ± 5 °C)	Voltage ≤ 0.05%+10mV (+20mV, rating voltage >36V) Current ≤ 0.1%+10mA OVP ≤ 0.05%+10mV
<b>Load Effect</b>	Voltage ≤ 3mV(≤5mV, rating current>3.0A) current ≤ 6mA
<b>Source Effect</b>	Voltage ≤ 3mV; current ≤ 6mA

## MEMORY

**Store/Recall sets** 0~99

## TIMER

<b>Setting time</b>	0.1sec~99Min59sec(max 99Min59sec x 100)
<b>Resolution</b>	0.1 sec
<b>Function</b>	Auto step running (for output working loop)

## INTERFACE

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

## POWER SOURCE

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

## ACCESSORIES

Instruction Manual x 1, Power Cord x 1  
Test Lead GTL-104 x 3  
(PST-3202) or GTL-105 x 3 (PST-3201)  
European Test Lead  
GTL-204 x 3 (PST-3202) or GTL-203 x 3 (PST-3201)

## DIMENSIONS & WEIGHT

230(W) x 140(H) x 380(D) mm , Approx.10kg

## ORDERING INFORMATION

**PST-3202** 158W Triple Output Programmable D.C. Power Supply  
**PST-3201** 96W Triple Output Programmable D.C. Power Supply

## Option

**Opt.01:** GPIB Interface (factory installed)  
**Opt.02:** GRA-407 Rack Mounting ( 19", 4U )