

# TRIPLE OUTPUT PROGRAMMABLE LINEAR D.C. POWER SUPPLY



## PST-Series



## 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
- \* Auto Series and Parallel Function
- \* LabVIEW Driver
- \* Standard Interface: RS-232C
- \* Option: GPIB (IEEE-488.2)
- \* Optional European Jack Type Terminal

## Rear Panel



The PST-Series is triple output, 96 or 158W, programmable linear DC power supply. OVP, OCP, and OTP protect PST and loads from unexpected conditions. High resolution is maintained at 10mV, 1mA. Large 192 x 128 LCD panel with simultaneous output/parameter view and automatically regulated cooling fan for low noise provide comfortable operation. Configuration is simplified with output setting store/recall function, Auto series/parallel operation, and Auto step running for continuous testing. SCPI command set and Labview driver access through RS-232C or optional GPIB interface provide remote control and ATE software development capability. The versatile PST Series is ideal for applications which require high resolution, multiple output, and automated operation, such as in production testing and rack mounting system.

SPECIFICATIONS		
	PST-3202	PST-3201
<b>OUTPUT</b>		
Voltage	0~32Vx2, 0~6Vx1	0~32Vx3
Current	0~2Ax2, 0~5Ax1	0~1Ax3
OVP	0~33Vx2, 0~7Vx1	0~33Vx3
<b>LOAD REGULATION</b>		
Voltage	≤ 3mV (≤ 5mV rating current >3.0A)	
Current	≤ 3mA (≤ 5mA rating current >3.0A)	
<b>LINE REGULATION</b>		
Voltage	≤ 3mV	
Current	≤ 3mA	
<b>RESOLUTION</b>		
Voltage	10mV	
Current	1mA (2mA, rating current >3.0A)	
OVP	10mV	
<b>PROGRAM ACCURACY(25 ± 5 °C)</b>		
Voltage	≤ 0.05%+20mV	
Current	≤ 0.1%+5mA (+10mA, rating current>3.0A)	
OVP	≤ 0.05%+20mV	
<b>RIPPLE &amp; NOISE(20Hz~20MHz)</b>		
Voltage	Ripple: 1mVrms/3mVp-p ; Noise: 2mVrms/30mVp-p	
Current	≤ 3mA rms (≤ 5mA rms, rating current >3.0A)	
<b>TEMPERATURE COEFFICIENT (0 ~ 40 °C)</b>		
Voltage	≤ 100ppm+3mV	
Current	≤ 100ppm+3mA	
<b>REARBACK RESOLUTION</b>		
Voltage	10mV(20mV, rating current >36V)	
Current	1mA(2mA, rating current >3.0A)	
<b>REARBACK ACCURACY(25 ± 5 °C)</b>		
Voltage	≤ 0.05%+10mV(+20mV, rating current >36V)	
Current	≤ 0.1%+5mA	
<b>REARBACK TEMPERATURE COEFFICIENT</b>		
Voltage	≤ 100ppm+10mV(+20mV, rating current >36V)	
Current	≤ 100ppm+5mA(+10mA, rating current >3.0A)	
<b>RESPONSE TIME</b>		
Voltage Up (10%~90%)	≤ 100mS	
Voltage Down (90%~10%)	≤ 100mS (≥ 10% rating load)	
<b>DRIFT</b>		
Voltage	≤ 100ppm+10mV(+20mV, rating current >36V)	
Current	≤ 150ppm+10mA	
<b>TRACK OPERATION</b>		
Tracking Error	0.1%+20mV	
Series(Load Effect)	≤ 20mV	
<b>PARALLEL OPERATION</b>		
Program Accuracy (25 ± 5 °C)	Voltage ≤ 0.05%+20mV(+20mV, rating current >36V) Current ≤ 0.1%+10mA	
Load Effect	OVP ≤ 0.05%+20mV	
Source Effect	Voltage ≤ 3mV (≤ 5mV, rating current>3.0A); current ≤ 6mA Voltage ≤ 3mV; current ≤ 6mA	
<b>MEMORY</b>		
Store/Recall	99 Sets	
<b>TIMER</b>		
Setting time	0.1 second~99 Minutes 59 second(Max. 99 Minutes 59 second x 100)	
Resolution	0.1 second	
Function	Auto step running (for output working loop)	
<b>INTERFACE</b>		
Standard : RS-232C ; Option: GPIB (IEEE488.2)		
<b>POWER SOURCE</b>		
AC 100V/ 120V/ 220V ±10%, 230V(+10%/-6%), 50/60Hz		
<b>ACCESSORIES</b>		
User 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)		
<b>DIMENSIONS &amp; WEIGHT</b>		
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)

### Optional Accessories

**GRA-407** Rack Mounting ( 19", 4U )