

# MULTIPLE OUTPUT PROGRAMMABLE LINEAR D.C. POWER SUPPLY



## PST-3201/3202



### FEATURES

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

### Rear Panel



View PST-3202

The PST series are 3-channel, 96 or 158W, programmable linear DC power supplies. High resolution is maintained at 10mV, 1mA ( $\geq 3A$ ). OVP, OCP, and OTP protect the PST-Series and its loads from unexpected conditions. The PST-Series are capable of independent, series or parallel operation for increased flexibility. The large LCD display conveniently displays all outputs and configurations simultaneously to simplify operation. The programmable interface allows automatic stepping, 100 set of memory and comprehensive timing operations. GPIB and RS232C interfaces, Labview drivers and SCPI compatibility allow easy ATE software development and remote control. The versatile PST-Series is ideal for high resolution, multiple output, automated operations such as production testing and rack mounting systems.

SPECIFICATIONS		
	PST-3202	PST-3201
<b>OUTPUT</b>		
<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 REGULATION</b>		
<b>Voltage</b>	$\leq 3mV$ ( $\leq 5mV$ rating current $>3.0A$ )	
<b>Current</b>	$\leq 3mA$ ( $\leq 5mA$ rating current $>3.0A$ )	
<b>LINE REGULATION</b>		
<b>Voltage</b>	$\leq 3mV$	
<b>Current</b>	$\leq 3mA$	
<b>RESOLUTION</b>		
<b>Voltage</b>	10mV	
<b>Current</b>	1mA (2mA, rating current $>3.0A$ )	
<b>OVP</b>	10mV	
<b>PROGRAM ACCURACY(25 <math>\pm</math> 5 <math>^{\circ}</math>C)</b>		
<b>Voltage</b>	$\leq 0.05\%+20mV$	
<b>Current</b>	$\leq 0.1\%+5mA$ (+10mA, rating current $>3.0A$ )	
<b>OVP</b>	$\leq 0.05\%+20mV$	
<b>RIPPLE &amp; NOISE(20Hz~20MHz)</b>		
<b>Voltage</b>	Ripple: $\leq 1mV_{rms}/3mV_{p-p}$ ; Noise: $\leq 2mV_{rms}/30mV_{p-p}$	
<b>Current</b>	$\leq 3mArms$ ( $\leq 5mArms$ , rating current $>3.0A$ )	
<b>TEMPERATURE COEFFICIENT (0 ~ 40 <math>^{\circ}</math>C)</b>		
<b>Voltage</b>	$\leq 100ppm+3mV$	
<b>Current</b>	$\leq 100ppm+3mA$	
<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 <math>\pm</math> 5 <math>^{\circ}</math>C)</b>		
<b>Voltage</b>	$\leq 0.05\%+10mV(+20mV, \text{rating voltage } >36V)$	
<b>Current</b>	$\leq 0.1\%+5mA(+10mA, \text{rating current } >3.0A)$	
<b>READBACK TEMPERATURE COEFFICIENT</b>		
<b>Voltage</b>	$\leq 100ppm+10mV(+20mV, \text{rating voltage } >36V)$	
<b>Current</b>	$\leq 150ppm+10mA(+20mA, \text{rating current } >3.0A)$	
<b>RESPONSE TIME</b>		
<b>Voltage Up (10%~90%)</b>	$\leq 100mS$	
<b>Voltage Down (90%~10%)</b>	$\leq 100mS$ ( $\geq 10\%$ rating load)	
<b>DRIFT</b>		
<b>Voltage</b>	$\leq 100ppm+10mV(+20mV, \text{rating voltage } >36V)$	
<b>Current</b>	$\leq 150ppm+10mA$	
<b>TRACK OPERATION</b>		
<b>Tracking Error Series(Load Effect)</b>	$\leq 0.1\%+20mV$ $\leq 20mV$	
<b>PARALLEL OPERATION</b>		
<b>Program Accuracy (25 <math>\pm</math> 5 <math>^{\circ}</math>C)</b>	Voltage $\leq 0.05\%+20mV$ , Current $\leq 0.1\%+10mA$ , OVP $\leq 0.05\%+20mV$	
<b>Load Effect</b>	Voltage $\leq 3mV$ ( $\leq 5mV$ , rating current $>3.0A$ ); Current $\leq 6mA$	
<b>Source Effect</b>	Voltage $\leq 3mV$ ; Current $\leq 6mA$	
<b>MEMORY</b>		
<b>Store/Recall</b>	100 Sets	
<b>TIMER</b>		
<b>Setting time</b>	0.1 second~99 Minutes 59 second (Max. 99 Minutes 59 second x 100)	
<b>Resolution Function</b>	0.1 second 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 $\pm 10\%$ , 230V(+10%/-6%), 50/60Hz		
<b>DIMENSIONS &amp; WEIGHT</b>		
230(W) x 140(H) x 380(D) mm , Approx.10kg		

### ORDERING INFORMATION

<b>PST-3202</b>	158W Triple Output Programmable D.C. Power Supply				
<b>PST-3201</b>	96W Triple Output Programmable D.C. Power Supply				
<b>Model</b>	<b>Independent</b>	<b>Series</b>	<b>Parallel</b>	<b>Display Type</b>	<b>Weight (kg)</b>
<b>PST-3201</b>	(0~32V/0~1A)x3	64V/1A	32V/2A	LCD	10
<b>PST-3202</b>	(0~32V/0~2A)x2, (0~6V/0~5A)x1	64V/2A	32V/4A	LCD	10

#### ACCESSORIES :

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)

#### OPTION

Opt.01: GPIB Interface (factory installed)

#### OPTIONAL ACCESSORIES

**GRA-407** Rack Mounting ( 19", 4U )  
**GTL-232** RS232C Cable, 9-pin Female to 9-pin, null Modem for Computer

#### FREE DOWNLOAD

**PC Software Driver** PC Software including Data Log ; Remote Control Software  
LabVIEW Driver

Contact:  
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3910 Park Avenue, Unit 7  
Edison, NJ 08820  
732-632-6400  
support@instrumentation2000.com  
http://www.instrumentation2000.com