

# Multiple Output Programmable Linear D.C. Power Supply



PST series is 3-channel, 96W or 158W, programmable linear DC power supplies. High resolution is maintained at 10mV, 1mA (3A). OVP, OCP, and OTP protect the PST-Series and its loads from unexpected conditions. PST-Series is 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 sets 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.

## 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

### European Type Jack Terminal



### Rear Panel



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	≤ 3mArms (≤ 5mArms, rating current >3.0A)	
<b>TEMPERATURE COEFFICIENT (0 ~ 40 °C)</b>		
Voltage	≤ 100ppm+3mV	
Current	≤ 100ppm+3mA	
<b>READBCK RESOLUTION</b>		
Voltage	10mV(20mV, rating voltage >36V)	
Current	1mA(2mA, rating current >3.0A)	
<b>READBCK ACCURACY(25 ± 5 °C)</b>		
Voltage	≤ 0.05%+10mV(+20mV, rating voltage >36V)	
Current	≤ 0.1%+5mA(+10mA, rating current>3.0A)	
<b>READBCK TEMPERATURE COEFFICIENT</b>		
Voltage	≤ 100ppm+10mV(+20mV, rating voltage >36V)	
Current	≤ 150ppm+10mA(+20mA, 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 voltage >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, Current ≤ 0.1%+10mA, OVP ≤ 0.05%+20mV	
Load Effect	Voltage ≤ 3mV(≤ 5mV, rating current>3.0A); Current ≤ 6mA	
Source Effect	Voltage ≤ 3mV; Current ≤ 6mA	
<b>MEMORY</b>		
Store/Recall	100 Sets	

SPECIFICATIONS		
	PST-3202	PST-3201
<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>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					
Model	Independent	Series	Parallel	Display Type	Weight (kg)	
PST-3201	(0~32V/0~1A)x3	64V/1A	32V/2A	LCD	10	
PST-3202	(0~32V/0~2A)x2,(0~6V/0~5A)x1	64V/2A	32V/4A	LCD	10	
<b>ACCESSORIES :</b>						
User manual x 1, Power cord x 1, Test lead: GTL-104A x 3 (PST-3202) or GTL-105A x 3 (PST-3201)						
European test lead: GTL-204A x 3 (PST-3202) or GTL-203A x 3 (PST-3201)						
<b>OPTION</b>						
Opt.01	GPIB Interface (factory installed)					
<b>OPTIONAL ACCESSORIES</b>						
GRA-407	Rack Mounting(19",4U)					
GTL-251	GPIB-USB-HS(High Speed)					
GTL-232	RS-232C Cable, 9-pin Female to 9-pin, null Modem for Computer					
GTL-248	GPIB Cable, Double Shielded, 2000mm					
<b>FREE DOWNLOAD</b>						
PC Software	PC Software including Data Log ; Remote Control Software					
Driver	LabView Driver					

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