TRIPLE OUTPUT PROGRAMMABLE LINEAR D.C. POWER SUPPLY

PST-Series

CE | RS-232 | GPIB | PC Software | LabVIEW Driver

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
OUTPUT		
Voltage	0~32Vx2, 0~6Vx1	0~32Vx3
Current	0~2Ax2, 0~5Ax1	0~1Ax3
OVP	0~33Vx2, 0~7Vx1	0~33Vx3
LOAD REGULATION		
Voltage	≦ 3mV (≦5mV rating current >3.0A)	
Current	≦ 3mA (≦5mA rating current >3.0A)	
LINE REGULATION		
Voltage	≦ 3mV	
Current	≦ 3mA	
RESOLUTION		
Voltage	10mV	
Current	1mA (2mA, rating current >3.0A)	
OVP	10mV	
PROGRAM ACCURACY(25 ±5°C)		
Voltage	≦ 0.05%+20mV	
Current	≦ 0.1%+5mA (+10mA, rating current>3.0A)	
OVP	≦ 0.05%+20mV	
RIPPLE & NOISE(20Hz~20MHz)		
Voltage	Ripple: 1mVrms/3mVp-p ; Noise: 2mVrms/30mVp-p	
Current	≦ 3mArms (≦5mArms, rating current >3.0A)	
TEMPERATURE COEFFICIENT (0 ~ 40 °C)		
Voltage	≦ 100ppm+3mV	
Current	≦ 100ppm+3mA	
READBACK RESOLUTION		
Voltage	10mV(20mV, rating voltage >36V)	
Current	1mA(2mA, rating current >3.0A)	
READBACK ACCURACY(25 ± 5 ˚C)		
Voltage	≦ 0.05%+10mV(+20mV, rating voltage >36V)	
Current	≦ 0.1%+5mA(+10mA, rating current>3.0A)	
READBACK TEMPERATURE COEFFICIENT		
Voltage	≦ 100ppm+10mV(+20mV, rating current >36V)	
Current	≦ 100ppm+5mA(+10mA, rating current >3.0A)	
RESPONSE TIME		
Voltage Up (10%~90%)	≦ 100mS	
Voltage Down (90%~10%)	≦ 100mS (≧10% rating load)	
DRIFT		
Voltage	≦ 100ppm+10mV(+20mV, rating voltage >36V)	
Current	≦ 150ppm+10mA	
TRACK OPERATION		
Tracking Error	0.1%+20mV	
Series(Load Effect)	≦ 20mV	
PARALLEL OPERATION		
Program Accuracy (25 ±5 ° C)	Voltage ≦ 0.05%+20mV(+20mV, rating voltage >36V) Current ≦0.1%+10mA OVP≦0.05%+20mV	
Load Effect Source Effect	Voltage ≦3mV(≦5mV, rating current>3.0A); current ≦6mA Voltage ≦3mV; current ≦6mA	
MEMORY		
Store/Recall	99 Sets	
TIMER		
Setting time Resolution Function	0.1 second~99 Minutes 59 second(Max. 99 Minutes 59 second x 100) 0.1 second 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		
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

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

POWER SUPPLIES

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