Doc. IA-0051

Your Power House
VP ELECTRONIQUE

MULTIPLE OUTPUT PROGRAMMABLE LINEAR D.C. POWER SUPPLY

The PST series are 3-channel, 96 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. 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.

PST-3201/3202

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

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

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 voltage >36V)	
Current	≤ 150ppm+10mA(+20mA, 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,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	
MEMORY		
Store/Recall	100 Sets	
TIMER		
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)	
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

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

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 PC Software including Data Log ; Remote Control Software
Driver LabView Driver