



产 品 手 册

仪器型号： 固纬可编程直流电源PPT系列

西安安泰测试科技有限公司

仪器维修|租赁|销售|测试

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MULTIPLE OUTPUT PROGRAMMABLE LINEAR D.C. POWER SUPPLY



PPE-3323



Patent No: 81011/81324



PPT-1830/PPT-3615



Patent No: 81011/81324

FEATURES

- * Easy Operation with UP/DOWN Key
- * High Resolution: 10mV, 1mA
- * Over Voltage Protection, Over Current Protection (PPT-Series by Hardware, PPE-Series by Software)
- * 50 Sets Memory
- * Self Test and Software Calibration
- * Auto Step Running With Timer Setting
- * FRONT/REAR Output and Sense Switch Selectable (PPT-Series)
- * Triple Output
- * Auto Series and Parallel Operation(PPT-Series)
- * Auto Tracking
- * IEEE-488.2 and SCPI Compatible Command set (PPT-Series)
- * RS-232 Communication (PPE-Series)
- * GPIB Standard Interface (PPT-Series)
- * LabVIEW Driver Software (PPT-Series)
- * High Stability, Low Drift
- * 4 Digit Display
- * IEC Safety Regulation

Rear Panel



PPE-3323



PPT-1830

The PPE/PPT Series are 3-channel, programmable linear DC power supplies with 207, 138 or 126W outputs. The PPE/PPT Series feature OVP and OCP protection and are compliant with all major safety standards (UL, CSA, and IEC) for safe, reliable operation. For extra precision the PPT series include remote sensing that add an extra level of precision by compensating cable losses between loads. The digital interface and smart features simplify operation and configuration with output limit store/recall functions, automatic tracking, automatic serial or parallel operation (PPT-Series), and auto stepping for continuous testing. The series have Labview drivers and SCPI commands as standard for remote control and PC interfacing via RS232 (PPE-232) and GPIB (PPT-Series). The versatile PPE/PPT-Series are ideal for high-level applications requiring high resolution, multiple outputs, and an extra level of safety.

SPECIFICATIONS

MODEL	PPE-3323	PPT-1830	PPT-3615
OUTPUT			
Voltage	0~+32V,0~-32V,3.3V/5V FIXED	0~18Vx2,0~6Vx1	0~36Vx2,0~6Vx1
Current	0~+3A,0~-3A,3A FIXED	0~3Ax2,0~5Ax1	0~1.5Ax2,0~3Ax1
OVP	0~+33V,0~-33V	0~20Vx2,0~7Vx1	0~38.5Vx2,0~7Vx1
LOAD REGULATION			
Voltage	≤6mV	≤3mV rear output (≤6mV front output)	≤3mV rear output (≤6mV front output)
Current	≤3mA	≤3mA (≤6mA rating current > 3.5A)	≤3mA (≤6mA rating current > 3.5A)
LINE REGULATION			
Voltage	≤3mV		
Current	≤3mA		
RESOLUTION			
Voltage	10mV (20mV rating voltage > 36V)		
Current	1mA (2mA rating current >3.5A)		
OVP	10mV(20mV rating voltage > 36V)		
PROGRAM ACCURACY (25±5°C)			
Voltage	≤0.05% + 25mV (+ 50mV rating voltage > 36 V)		
Current	≤0.2% + 10mA		
OVP	≤2% + 0.6V		
RIPPLE & NOISE (20Hz ~ 20MHz)			
Voltage	Ripple 1mVrms / 3mVp-p		
Current	Noise 2mVrms / 30mVp-p		
	≤3mA rms (≤5mA rms rating current > 3.5A)		
TEMPERATURE COEFFICIENT (0~40°C)			
Voltage	≤100ppm + 3mV		
Current	≤150ppm + 3mA		
READBCK RESOLUTION/ACCURACY (25±5°C)			
Voltage	10mV (20mV rating voltage > 36V)		
Current	1mA (2mA rating current > 3.5A)		
Voltage	≤0.05% + 25mV (+ 50mV rating voltage > 36V)		
Current	≤0.2% + 10mA		
RESPONSE TIME			
VOLTAGE UP 10% ~ 90%	≤100mS		
VOLTAGE DOWN 90% ~ 10%	≤100mS (≥ rating load)		
READBCK TEMPERATURE COEFFICIENT			
Voltage	≤100ppm + 10mV (+ 20mV rating voltage > 36V)		
Current	≤150ppm + 10mA		
DRIFT			
Voltage	≤100ppm + 10mV	≤0.03% + 6mV	
Current	≤150ppm + 10mA	≤0.1% + 6mA	
TRACK OPERATION			
Tracking Error	≤0.1% + 50mV		
Series Regulation	≤50mV		
PARALLEL OPERATION (PPT-Series only)			
Program Accuracy (25±5°C)	Voltage	≤0.05% + 25mV (+ 50mV rating voltage > 36V)	
	Current	≤0.2% + 20mA	
	OVP	≤2% + 0.6V	
Load Effect	Voltage	≤3mV rear output (≤6mV front output)	
	Current	≤6mA (≤12mA rating current > 3.5A)	
Source Effect	Voltage	≤3mV	
	Current	≤6mA	
MEMORY			
Store/Recall	50 sets		
TIMER			
Setting Time	1 second ~ 255 minutes (Max. 255 minutes x 50 sets for PPT-Series)		
Resolution	1 second ~ 99 minutes (Max. 99 minutes x 50 sets for PPE-3323)		
Function	1 second for output working loop (Auto Step running)		
STANDARD INTERFACE			
RS-232 for PPE-Series; GPIB for PPT-Series			
POWER SOURCE			
AC 100V/120V/ 220V/240V±10%, 50/60Hz			
DIMENSIONS & WEIGHT			
255(W) x 145(H) x 346(D) mm; Approx. 10kg			

ORDERING INFORMATION

PPE-3323	207W Triple Output Programmable D.C. Power Supply
PPT-1830	138W Triple Output Programmable D.C. Power Supply
PPT-3615	126W Triple Output Programmable D.C. Power Supply

Model	Independent	Series	Parallel	Display Type	Weight (kg)
PPT-1830	(0~18V/0~3A)x2, (0~6V/0~5A)x1	36V/3A	18V/6A	LED	10
PPT-3615	(0~36V/0~1.5A)x2, (0~6V/0~3A)x1	72V/1.5A	36V/3A	LED	10

ACCESSORIES :

User manual x 1, Power cord x 1, Test lead GTL-105 x 3 (PPE-3323), GTL-104 x 3 (for PPT-1830/PPT-3615)

OPTIONAL ACCESSORIES

GRA-401 Rack Adapter Panel, 19" 4U GTL-204 European test lead x 3 (for PPT-1830/PPT-3615)

FREE DOWNLOAD

PPE-3323 PC Software Remote Control Software PPT-1830, PPT-3615 Driver LabVIEW Driver