

TRIPLE OUTPUT PROGRAMMABLE LINEAR D.C. POWER SUPPLY



PPE-3323



RS-232

PC Software

Patent No: 81011/81324



PPT-1830G/3615G

Patent No: 81011/81324



GPIB

LabVIEW Driver

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
- * Meet UL CSA IEC Safety Regulation
- * Auto Step Running With Time Setting
- * FRONT/REAR Output and Sense Switch Selectable (for PPT-Series)
- * Triple Output
- * Auto Series and Parallel Operation (for PPT-Series)
- * Auto Tracking
- * IEEE-488.2 and SCPI Compatible Command set (PPT-Series)
- * RS-232 Communication Capability (PPE-Series)
- * LabVIEW Driver Software Available (for PPT-Series)
- * High Stability, Low Drift
- * 4 Digit Display

Rear Panel



PPE-3323



PPT-1830G

The PPE/PPT Series is triple output, programmable linear DC power supply with power output selection of 207/138/126W. The thoughtful OVP and OCP features protect PPE/PPT and loads from unexpected conditions, and compliance to major standards, US, CSA, and IEC, enhances safety level. High resolution is maintained at 10mV, 1mA for both series. Remote sensing available in PPT Series adds extra level of precision by compensating cable losses between loads. Configuration is simplified with output limit store/recall function, Auto-tracking, Auto series/parallel operation (PPT-Series only), and auto step running for continuous testing. The standard RS-232C terminal for PPE-Series provides PC communication interface, while PPT-Series offers remote control and ATE software development capability by SCPI command set and Labview driver through its standard GPIB interface. The versatile PPE/PPT-Series is ideal for high-level applications which require high resolution, multiple output, and extra level of safety precaution.

SPECIFICATIONS

MODEL	PPE-3323	PPT-1830G	PPT-3615G
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)	
Current	≤3mA	≤ 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		
READBCK TEMPERATURE COEFFICIENT			
Voltage	≤100ppm + 10mV (+ 20mV rating voltage > 36V)		
Current	≤150ppm + 10mA		
DRIFT			
Voltage	≤0.03% + 6mV		
Current	≤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	49 sets		
TIMER			
Setting time	1 second ~ 255 minutes (Max. 255 x 49 minutes for PPT-Series)		
Resolution Function	1 second ~ 99 minutes (Max. 99 x 49 minutes for PPE-3323)		
	1 second for output working loop (Auto Step running)		
INTERFACE			
RS-232 standard for PPE-Series; GPIB Interface Standard 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-1830G 138W Triple Output Programmable D.C. Power Supply
PPT-3615G 126W Triple Output Programmable D.C. Power Supply

ACCESSORIES :

User manual x 1, Power cord x 1, GTL-105 x 3

Optional Accessories

GRA-401 Rack Adapter Panel

Combined Test Solutions,
4 Commerce Way, Stanbridge Road,
Leighton Buzzard, LU7 4RW

T: 01525 374466
E: sales@ctstest.co.uk
W: www.ctstest.co.uk

