Data Sheet

Triple Output Programmable Power Supply

PPS 3210-MO

With the high resolution (16 bit) design, PPS 3210-MO programmable DC power supply can offer an accuracy spec at 1mV and 100μA. Its LCD display and numerical function keys allow for better precision and quicker access to setting. It is truly an innovative power supply for the industry.

Compared with the conventional dual output power supplies, PPS 3210-MO offers an additional third channel output to make testing on consumer appliances and computer devices more flexible. Furthermore, the time-recorder (1 sec ~ 100 hours) allows user to set the off time of the output. This is especially helpful as a safety feature for burn-in test and electroplating applications.

Features & Benefits

- Voltage resolution 1mV, Current resolution 100μA
- Programmable triple outputs (Third channel auto-ranging function)
- Low ripple and noise
- 100 Store memory and timer function
- Series and parallel mode
- Digital encoder knob and keypads function key
- Lock protection function
- OVP and OCP function
- Standard RS232/USB interface
- Optional: I/O port, GPIB, LAN interface

Model	PPS 3210-MO	
Channel No.	CH1 & CH2	CH3
Output Voltage	0 ~ 32V	0 ~ 15V
Output Current	0 ~ 3A	0 ~ 5A
Output Power（CH3 Auto Ranging）	96W	30W
Line Regulation ±(% of output + offset)		
Voltage	0.01% + 2mV	
Current	0.01% + 300uA	
Load Regulation ±(% of output + offset)		
Voltage	≦3mV	≦5mV
Current	0.01% + 300uA	
Ripple and Noise (20Hz ~ 20MHz)		
Normal Mode Voltage	700uVrms / 7mVpp	1mVrms / 20mVpp
Normal Mode Current	＜1mA	＜5mA
Resolution		
Programming	1mV / 100uA	
Readback	1mV / 100uA	
Programming Accuracy ±(% of output + offset)		
Voltage	0.01% + 5mV	
Current	0.01% + 1mA	0.01% + 2mA
Readback Accuracy ±(% of output + offset)		
Voltage	0.01% + 5mV	
Current	0.01% + 1mA	0.01% + 2mA
Temperature Coefficient per°C ±(% of output + offset)		
Voltage	＜0.01% + 3mV	
Current	＜0.02% + 2mA	
Tracking Accuracy ±(% of output + offset)		
Voltage	0.02% + 10mV	
Transient Response Time	＜50uS	
Stability, constant output & temperature ±(% of output + offset), 8hrs		
Voltage	＜0.02% + 2mV	
Current	＜0.01% + 1mA	
Voltage Programming Speed		
Rising Time at Full Load	3mSec	
Rising Time at No Load	3mSec	
Falling Time at Full Load	8mSec	
Falling Time at No Load	250mSec	
General		
AC Line Input Voltage Ranges	115 / 230 VAC ± 10% (47Hz ~ 63Hz)	
Temperature Ratings	Operating(0°C ~ 40°C) , Storage(- 10°C ~ 70°C)	
Common-Mode Voltage	±240Vdc	
Dimensions (W×H×D)mm	(216 × 135 × 432)	
Weight	9kg	