

Programmable dual-Range D.C. Power Supply



Patent No: ZL 03 3 01174.5



FEATURES :

- * Single Output Dual Range Max. 200W
- * High Resolution: 1mV/1mA
- * Stable & Clear Power: 0.01% Load/Line Regulation, 350 μ Vrms Ripple
- * Auto Step Runing with timer Setting and 100 Sets Memory
- * Safety Design: OVP, OCP & OTP ; Output ON/OFF Control
- * Self-Test and Software Calibration
- * High Visible Vacuum-Fluorescent Display
- * Front and Rear Output Terminal
- * Labview Driver
- * RS-232C (Standard)
- * GPIB (Option)

PSM-Series

SPECIFICATIONS

MODEL NUMBER		PSM-2010	PSM-3004	PSM-6003
DC OUTPUT		0 ~ + 8V/20A 0 ~ +20V/10A	0 ~ + 15V/7A 0 ~ + 30V/4A	0 ~ + 30V/6A 0 ~ + 60V/3.3A
CONSTANT VOLTAGE OPERATION	Regulation +(% of output + offset)	Load regulation $\leq 0.01\% + 2mV$ Line regulation $\leq 0.01\% + 2mV$		
	Ripple & Noise	350 μ Vrms/3mVpp	350 μ Vrms/2mVpp	500 μ Vrms/3mVpp
CONSTANT CURRENT OPERATION	Regulation +(% of output + offset)	Load regulation $\leq 0.01\% + 250uA$ Line regulation $\leq 0.01\% + 250uA$		
	Ripple & Noise	<2mArms		
RESPONSE TIME	Voltage Up	$\leq 100ms$		
	Voltage Down	$\leq 100ms$		
RESOLUTION	Programming	Voltage Current	1mV 1mA	1mV 1mA
	Readback	Voltage Current	1mV 1mA	1mV 1mA
	Meter	Voltage Current	1mV 1mA(<10A),10mA($\geq 10A$)	
OVP	OVP	10mV		
OCP	OCP	10mA		
ACCURACY	Programming	Voltage Current	0.05% + 10mV 0.2% + 10mA	
	Readback	Voltage Current	0.05% + 5mV 0.15% + 5mA	
	OVP/OCP Accuracy \pm (%Output+Offset)	Voltage Current	0.05% + 10mV 0.1% + 10mA	
TEMPERATURE COEFFICIENT PER $^{\circ}C \pm$ (% of Output+Offset)	Voltage Current	100ppm + 3mV 100ppm + 3mA		
POWER SOURCE	AC 100V/120V/220V $\pm 10\%$, 230V + 10% - 6% + 10%, 50/60Hz			
INTERFACE	RS-232C(Standard) , GPIB(Option)			
ACCESSORIES	Power cord x 1, Instruction manual x 1			
DIMENSIONS & WEIGHT	230(W) x 140(H) x 380(D) ; Approx. 10kg			