

## Programmable Dual-Range D.C. Power Supply

**NEW**

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 $\mu$ Vrms Ripple
- \* 100 Sets Memory
- \* Auto Step Running With Time Setting
- \* Safety Design: OVP, OCP & OTP ; Output ON/OFF Control  
(OCP Provides Delay Setting to Prevent Trip of High Start-Up Current)
- \* Self-Test and Software Calibration
- \* High Visible Vacuum-Fluorescent Display
- \* Front and Rear Output Terminal
- \* Standard Interface : RS-232C, GPIB
- \* Option : European Jack Type Terminal

### PSM-Series

				SPECIFICATIONS					
				PSM-2010		PSM-3004		PSM-6003	
DC OUTPUT	Low Range			0 ~ 8V/20A		0 ~ 15V/7A		0 ~ 30V/6A	
	High Range			0 ~ 20V/10A		0 ~ 30V/4A		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 $\mu$ Vrms/3mVpp		< 350 $\mu$ Vrms/2mVpp		<50V:<500 $\mu$ Vrms/3mVpp >50V:<1mVrms/3mVpp	
CONSTANT CURRENT OPERATION	Regulation +(% of output + offset)	Load regulation $\leq$ 0.01% + 250uA Line regulation $\leq$ 0.01% + 250uA							
	Ripple & Noise	< 2mArms							
RESOLUTION	Programming	Voltage	1mV		1mV		2mV		
		Current	1mA		0.5mA		0.5mA		
	Readback	Voltage	0.5mV		0.5mV		1mV		
		Current	1mA		0.1mA		0.5mA		
Front Panel	Voltage	1mV							
	Current	1mA(<10A), 10mA( $\geq$ 10A)							
ACCURACY	Programming	Voltage	0.05% + 10mV		0.05% + 5mV		0.1% + 10mV		
		Current	0.2% + 10mA		0.15% + 5mA		0.4% + 10mA		
	OVP/OCP	Voltage	10mV						
	Current	10mA							
TRANSIENT RESPONSE	< 50 $\mu$ sec. ( for output to recover to within 15mV following a change in output current from full load to half load.								
COMMAND PROCESSING TIME	100 ms								
VOLTAGE PROGRAMMING RESPONSE TIME (for resistive load)	Voltage Up	Full Load	95 ms		50 ms		80 ms		
		No Load	45 ms		20 ms		100 ms		
	Voltage Down	Full Load	30 ms		45 ms		30 ms		
		No Load	450 ms		400 ms		450 ms		
STABILITY (% of output + offset)	Voltage	0.02% + 1mV							
	Current	0.1% + 1mA							
MEMORY	Store/Recall points 0~99								
TEMPERATURE COEFFICIENT PER $^{\circ}$ C $\pm$ (% of Output+Offset)	Voltage	0.01% + 3mV							
	Current	0.02% + 3mA							
POWER SOURCE	AC 100V/120V/220V $\pm$ 10% , 230V : - 6% ~ + 10% , 50/60Hz								
INTERFACE	Standard	RS-232C , GPIB							
ACCESSORIES	Instruction manual x 1, Power cord x 1, Test Lead GTL-104(4A~10A) x 1 , European Test Lead GTL-204 x 1								
DIMENSIONS & WEIGHT	230(W) x 140(H) x 380(D) ; Approx. 10kg								

### ORDERING INFORMATION

PSM-2010 200W Single Output, Programmable Power Supply  
PSM-6003 200W Single Output, Programmable Power Supply  
PSM-3004 120W Single Output, Programmable Power Supply

**Option**  
GRA-407 19", 4U Rack Mounting ( 19" , 4U )  
GTL-232 RS-232 Cable