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Find the *Instek PSM-3004* at our website: ***Click HERE***

Programmable Dual-Range D.C. Power Supply

NEW

Patent No: ZL 03 3 01174.5



CE

FEATURES

* Single Output Dual Range Max. 200W
* High Resolution: 1mV/1mA
* Stable & Clear Power: 0.01% Load/Line Requlation, 350μVrms 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 High Range		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 ≦ 0.01% + 2mV Line regulation ≦ 0.01% + 2mV		
	Ripple & Noise		< 350 μVrms/3mVpp	< 350μ Vrms/2mVpp	<50V:<500μVrms/3mVpp >50V:<1mVrms/3mVpp
CONSTANT CURRENT OPERATION	Regulation +(% of output + offset)		Load regulation ≦ 0.01% + 250uA Line regulation ≦ 0.01% + 250uA		
	Ripple & Noise		< 2mArms		
RESOLUTION	Programming	Voltage Current	1mV 1mA	1mV 0.5mA	2mV 0.5mA
	Readback	Voltage Current	0.5mV 1mA	0.5mV 0.1mA	1mV 0.5mA
	Front Panel	Voltage Current	1mV 1mA(<10A),10mA(≧10A)		
	OVP/OCP	Voltage Current	10mV 10mA		
ACCURACY	Programming	Voltage Current	0.05% + 10mV 0.2% + 10mA		
	Readback	Voltage Current	0.05% + 5mV 0.15% + 5mA		
	OVP/OCP	Voltage Current	0.1% + 10mV 0.4% + 10mA		
TRANSIENT RESPONSE			< 50μsec. (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 No Load	95 ms 45 ms	50 ms 20 ms	80 ms 100 ms
	Voltage Down	Full Load No Load	30 ms 450 ms	45 ms 400 ms	30 ms 450 ms
STABILITY (% of output + offset)	Voltage Current		0.02% + 1mV 0.1% + 1mA		
MEMORY			Store/Recall points 0~99		
TEMPERATURE COEFFICIENT PER°C±(% of Output+Offset)	Voltage Current		0.01% + 3mV 0.02% + 3mA		
POWER SOURCE			AC 100V/120V/220V±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

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