

Instek Programmable Dual-Range DC Power Supplies

*Part Nos. 01PSM2010, 01PSM3004, 01PSM6003*Back to [Power Supplies](#) Main Page

FEATURES

- Single Output Dual Range Max. 200W
- High Resolution: 1mV/1mA
- Stable & Clear Power: 0.01% Load/Line Regulation, 350uVrms Ripple
- Auto Step running 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
- Interface (Standard) RS-232
- Interface (Standard) GPIB (IEEE 488.2)

SPECIFICATIONS

		PSM-2010	PSM-3004	PSM-6003
DC Output		0 ~ +8V / 20A	0 ~ +15V / 7A	0 ~ +30V / 6A
		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 $< 0.01\% + 2mV$		
	Ripple & Noise	350uVrms/ 3mVpp	350uVrms/2mVpp	550uVrms/ 3mVpp
Constant Current Operation	Regulation + (% of output + offset)	Load Regulation $\leq 0.01\% + 250uA$ Line Regulation $< 0.01\% + 250uA$		
	Ripple & Noise	$< 2mArms$		
Response Time	Voltage Up	$< 100mS$		
	Voltage Down	$< 100mS$		
Resolution	Programming Voltage	1mV	1mV	2mV
	Programming Current	1mA	1mA	1mA
	Readback Voltage	1mV	1mV	2mV
	Readback Current	1mA	1mA	1mA
	Meter Voltage Meter Current	1mV 1mA ($< 10A$), 10mA ($> 10A$)		
OVP	OVP	10mV		
OCP	OCP	10mA		
Accuracy	Programming Voltage Programming Current	0.05% + 10mV 0.2% + 10mA		
	Readback Voltage Readback Current	0.05% + 5mV 0.15% + 5mA		

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	OVP / OCP Accuracy + (%Output + Offset)	
	Voltage	0.05% + 10mV
	Current	0.1% + 10mA
Temperature Coefficient per °C± (% Output + Offset)	Voltage	100ppm + 3mV
	Current	100ppm + 3mA
Interface	RS-232C (Standard)	
	GPIB (Standard)	
Power Source	AC 100V/120V/220V±10%, 230V+10%~-6%, 50/60Hz	
Accessories	Power cord x 1, Instruction manual x 1	
Dimensions & Weight	230(W) x 140(H) x 380(D) mm, Approx. 10 kg	