

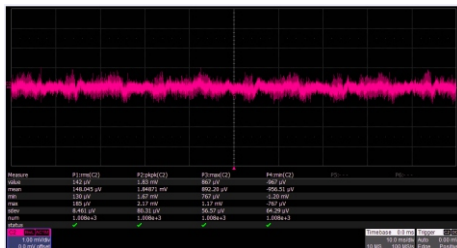
Programmable DC Power Supply PSD7168/PSD7305



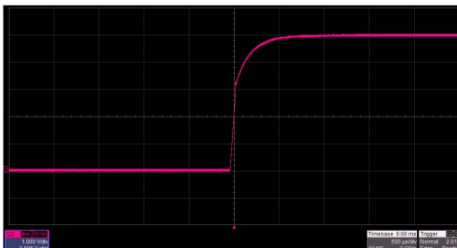
Main Features

- Stable, reliable, Low ripple and noise : $\leq 350\mu\text{Vrms}/3\text{mVpp}$
- Fast transient response time : $<50\mu\text{s}$
- Single path high-precision programmable voltage output
- 5 digit Voltage, 4 digit Current Display, Minimum Resolution: 1mV/1mA
- Supports front panel timing output functions
- Intelligent temperature-controlled fan reduces noise
- 2 types of output mode: Two-wire output mode, 4-wire compensation output mode Maximum compensation voltage 1V.
- Internal 5 groups of system parameter save/recall
- Includes PC software: Easy power, supports SCPI, Lab View driver
- Clear graphical interface, with the waveform display function
- 2.8 inch true color TFT-LCD 240 *320 display

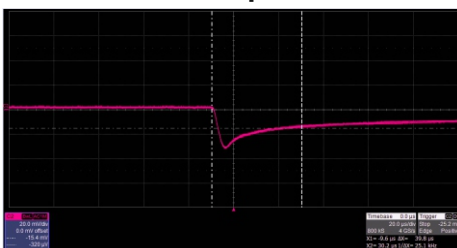
Low ripple and noise



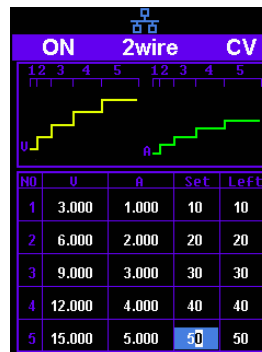
Low Voltage Overshoot



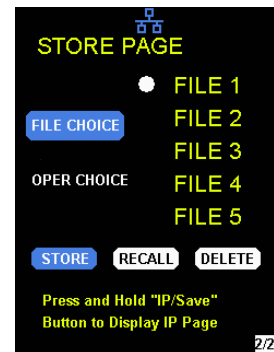
Fast transient response time



Panel displays the timing output

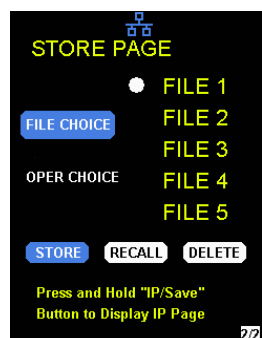


Panel timing output



Real time way display

Save/Recall setting parameters



Programmable power supply can save or recall 5 groups of setting parameters in internal storage. You can easily recall the setting you need



Technical specifications	PSD7168	PSD7305
No. of Channels	1	1
Output Voltage	0 to 16V	0 to 30V
Output Current	0 to 8A	0 to 5A
Max output power	128W	150W
Resolution	1mV/1mA	
Program Accuracy (25 ± 5°C)	Voltage ± (0.03% of reading +10mV)	
	Current ± (0.3% of reading +10mA)	
Readback Accuracy (25 ± 5°C)	Voltage ± (0.03% of reading +10mV)	
	Current ± (0.3% of reading +10mA)	
Temperature coefficient per °C (Output Percentage + Offset)	Voltage ± (0.01% of reading +3mV)	
	Current ± (0.01% of reading +3mA)	
Constant Voltage Mode		
Load Regulation	≤ 0.01% + 2mV	
Line Regulation	≤ 0.01% + 2mV	
Ripple & Noise	≤ 350µVrms / 3mVpp (20 Hz to 20MHz)	
Constant Current Mode		
Line Regulation	≤ 0.2% + 3mA	
Load Regulation	≤ 0.2% + 3mA	
Ripple & Noise	≤ 2 mArms	
Recovery Time	< 50µs (50% load change, minimum load 0.5A)	
Locking Key	Yes	
Memory Save/Recall	5 Set	
General Specifications		
Power Source	230V ± 10%, 50/60Hz	
Standard Configuration Interface	USB Device, LAN	
Insulation	Case to Terminal ≥ 20MΩ (DC 500V) Case to AC line ≥ 30MΩ (DC 500V)	
Display	2.8 inch true color TFT- LCD 240 *320 display	
Operating Condition	0 to 40° C Relative Humidity ≤ 80%	
Storage Condition	-10 to 40° C Relative Humidity ≤ 70%	
Dimension	154.6 (W) x 144.5 (H) x 280 (D) mm	
Weight	5.5kg	
Accessories	CD containing User Manual and Software, USB Cable, Output test cord	

Subject to Change

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