

Multi Output Power Supply PSD4000

- Floating DC supply voltage
- Constant voltage & constant current operation
- Individual display for voltage & current
- Adjustable current limiter
- Overload & short circuit protection
- Output ON/ OFF control
- Auto Range input 190 – 270 V AC



Technical Specifications	PSD4032A	PSD4032B	PSD4032C
DC Outputs	1 x 0-32V / 0-3A	2 x 0-32V / 0-3A	3 x 0-32V / 0-3A
Setting Resolution	V : 10 mV, I : 5 mA		
Constant Voltage Mode			
Load Regulation	$\leq \pm (0.01\% + 10 \text{ mV})^*$		
Line Regulation	$\leq \pm (0.01\% + 10 \text{ mV})^*$		
Ripple & Noise	$\leq 0.5 \text{ mVrms}$		
Transient Response	$\leq 50 \mu\text{s}$ output within 50 mV from full load to half load & vice versa		
Drift	$\leq \pm (0.2\% + 5 \text{ mV})$ within 8 hrs. Warm up at constant line, load & ambient temperature condition		
Constant Current Mode			
Load Regulation:	$\leq \pm (0.2\% + 3 \text{ mA})$		
Line Regulation:	$\leq \pm (0.2\% + 3 \text{ mA})$		
Ripple & Noise:	$\leq 3 \text{ mArms}$		
Drift	$\leq \pm (0.5\% + 5 \text{ mA})$ within 8 hrs. Warm up at constant line, load & ambient temperature condition		
Temp. Coefficient	$\leq \pm (0.05\% + 10 \text{ mV}/^\circ\text{C})$		
Current Limit Adjustment	100 mA to max approx.		
Display	Individual 3 digit seven segment LED for voltage & current of all channels		
Resolution	Voltage: 100 mV, Current: 10 mA		
Accuracy	V : $\pm (1\% + 1 \text{ D})$, I : $\pm (1\% + 3 \text{ D})$		
General Information	Built-in overheat, over voltage protections. Cooling natural convection		
Insulation	Between chassis & output terminal > 10 M Ω at 100 Vdc, Between chassis & AC plug > 50 M Ω at 500 Vdc		
Supply	190 VAC to 270 VAC / 50 Hz		
Operating Condition	0 - 50 °C RH 95%		
Dimension	W:198, H:80, D:315 mm	W:285, H:75, D:440 mm	
Weight	4.2 kg (Approx.)	7.9 kg (Approx.)	8.6 kg (Approx.)
Accessories	User Manual, Spare Fuse, Connecting cables		

* For line variation $230 \pm 10\%$

(Subject to change)