

APS-7000E Series



NEW

FEATURES

- 4.3 inch TFT-LCD Display
- Output Capacity :
APS-7050E(500VA,310Vrms,4.2/2.1Arms)
APS-7100E(1000VA,310Vrms,8.4/4.2Arms)
- Measurement Function Comprises
Voltage, Current, Power, Current(peak),
Frequency, Power Factor
- 10 sets of the Test Mode Simulate Power
Transient Output
- 10 sets of Preset Allow Users to Store
Ten Settings
- OVP, OCP and OTP Protection
- Variable Voltage, Frequency and Current
Limiter
- Universal Power Inlet



The APS-7000E series linear AC power supply is 2U height and the output frequency range of the series is 45–500Hz. The maximum rated output for APS-7050E is 500VA, 310Vrms, 4.2Arms; and APS-7100E is 1000VA, 310Vrms, 8.4Arms. The APS-7000E series comprises six measurement and test functions (Vrms, Irms, F, Ip, W, PF), and provides user interface similar to that of AC Power Meter. The APS-7000E series, via switching many sets of current levels to increase small current measurement resolution, is ideal for the LED industry and standby mode power consumption test. To meet the test criteria of line voltage fluctuation often seen in consumer electronics, the APS-7000E series not only supplies a stable AC source, but also features Test mode to handle special purpose or abnormal voltage and frequency. Test mode features ten sets of memory to simulate power outage, voltage increase, and voltage drop. The series is ideal for users to produce grid power transient waveform to verify electronic product operation under adverse conditions.



APS-7100E Rear Panel



APS-7050E Rear Panel

APPLICATIONS

- The Broad Power Output Range of The Series is Ideal for Various Power Supply Manufacturers
- The Development of Electronic Components and Testing Applications for Manufacturers
- Incoming Quality Control and R & D Applications
- Small AC Current Measurement Applications

SPECIFICATIONS

Model	APS-7050E		APS-7100E	
Power Rating	500VA		1000VA	
Output Voltage	0 ~ 310.0 Vrms		0 ~ 310.0 Vrms	
Output Frequency	45.00 ~ 500.0 Hz		45.00 ~ 500.0 Hz	
Maximum Current (r.m.s) 0~155Vrms	4.2A		8.4A	
0~310Vrms	2.1A		4.2A	
Maximum Current (peak) 0~155Vrms	16.8A		33.6A	
0~310Vrms	8.4A		16.8A	
Total Harmonic Distortion (THD)	≤0.5% at 45 ~ 500Hz (Resistive Load)			
Crest Factor	≥4			
Line regulation	0.1% (% of full scale)			
Load regulation	0.5% (% of full scale)			
Response time	<100us			
SETTING				
Voltage	Range	155Vrms/310Vrms/Auto		
	Resolution	0.01V at 0.00 ~ 99.99Vrms; 0.1V at 100.0 ~ 310.0Vrms		
	Accuracy	±(0.5% of setting+2 counts)		
Frequency	Range	45 ~ 500Hz		
	Resolution	0.01Hz at 45.00 ~ 99.99Hz/0.1Hz at 100.0 ~ 500.0Hz		
	Accuracy	±0.02% of setting		
MEASUREMENT				
Voltage(RMS)	Range	0.20 ~ 38.75Vrms/38.76 ~ 77.50 Vrms/77.51 ~ 155.0Vrms/155.1 ~ 310.0Vrms		
	Resolution	0.01V at 0.00 ~ 99.99Vrms; 0.1V at 100.0 ~ 310.0Vrms		
	Accuracy	±(0.5% of reading + 2 counts)		
Frequency	Range	45 ~ 500Hz		
	Resolution	0.01Hz (at 45Hz~99.99Hz)/0.1Hz (at 100Hz~500.0Hz)		
	Accuracy	±0.1Hz		
Current(RMS)	Range	2.00 ~ 70.00mA/60.0 ~ 350.0mA/0.300 ~ 3.500A/3.00 ~ 17.5A		
	Resolution	0.01mA, 0.1mA, 0.001A, 0.01A		
	Accuracy	±(0.6% of reading+5 counts); 2.00~350.0mA/±(0.5% of reading+5 counts); 0.350~3.500A/±(0.5% of reading+3 counts);3.500~17.50A		
Current(Peak)	Range	0.0 ~ 70.0A		
	Resolution	0.1A		
	Accuracy	±(1% of reading+1 count)		
Power(W)	Resolution	0.01W, 0.1W, 1W		
	Accuracy	±(0.6% of reading + 5 counts); 0.20~99.99W; ±(0.6% of reading + 5 counts); 100.0 ~ 999.9W		
Power Factor	Range	0.000~1.000		
	Resolution	0.001		
	Accuracy	±(2% of reading + 2 counts)		
GENERAL				
Number of Preset	10 (0~9 Numeric keys)			
Protection	OCP, OPP, OHP and Alarm			
ENVIRONMENT CONDITIONS				
Operation Temperature	0 ~ +40°C			
Storage Temperature	-10 ~ +70°C			
Operating Temperature	20 ~ 80% RH (No Condensation)			
Storage Humidity	80% RH or less(No Condensation)			
INPUT				
Input Power Source	1φ AC 115/230Vac ±15%			
DIMENSIONS				
430(W) x 88(H) x 400(D) mm; Approx. 24Kg			430(W) x 88(H) x 560(D) mm; Approx. 38Kg	

Specifications subject to change without notice. PS-7000EGD1DH

ORDERING INFORMATION

APS-7050E 500VA AC Power Source
 APS-7100E 1000VA AC Power Source

ACCESSORIES

CD ROM (User Manual x 1), Power Cord (Region Dependent),
 Mains Terminal Cover Set, GTL-123 Test Lead

OPTIONAL ASSESSORIES

GRA-423 APS-7000E Rack Mount Kit

Combined Test Solutions,
4 Commerce Way, Stanbridge Road,
Leighton Buzzard, LU7 4RW

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