



NEW



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-7000E Series

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



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	0.01 Hz 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	
		±(0.6% of reading + 2 counts); 1000~9999W	
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		ACCESSORIES
APS-7050E	500VA AC Power Source	CD ROM (User Manual x 1), Power Cord (Region Dependent), Mains Terminal Cover Set, GTL-123 Test Lead
APS-7100E	1000VA AC Power Source	
		OPTIONAL ASSESSORIES
		GRA-423 APS-7000E Rack Mount Kit