





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, Ipk, 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 | 0.01Hz 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, 0.1 mA, 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 | |
|----------------------|------------------------|
| 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 |



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