

## A.C. Power Source



APS-9301/9501



APS-9102

### FEATURES

- \* True RMS Meter
- \* Wide Output Voltage/Frequency Variable Range
- \* Saves/Recalls 4 Sets of Voltage/Frequency Memory
- \* Stable and Low-Distortion Output Waveforms
- \* Software Calibration to Ensure Accuracy
- \* Panel-Lock Function to Prevent Operation Error
- \* Over Current Protection and Over Temperature Protection
- \* Frequency, Volt, Amp, Watt and Power Factor Display

### Rear Panel



APS-9501



APS-9102

The APS-Series is dual output, 300 to 1000VA linear AC power supplies. To protect the APS-Series and loads from unexpected conditions, over current, over temperature and short-circuit protection are standard. High accuracy and low distortion are maintained at true RMS and < 0.5% THD, respectively. The key lock feature prevents tampering and the three separate LED displays simultaneously show frequency, voltage and current to enable easy operation. Configuration is simplified with the store/recall functions for output settings. Software calibration reduces maintenance overhead. The APS-Series is suitable for medium-sized laboratories and production test applications requiring high accuracy and security.

| SPECIFICATIONS                 |   |                      |   |
|--------------------------------|---|----------------------|---|
| TYPE                           | APS-9301  | APS-9501             | APS-9102  |
| OUTPUT CAPACITY                | 300 VA  | 500 VA               | 1k VA   |
| OUTPUT VOLTAGE                 | 0.0~300.0 VAC, 0.1V step (110,220V selectable)  |                      |   |
| OUTPUT MAX. CURRENT            | 0~150V<br>0~300V  | 2.6 Arms<br>1.3 Arms | 4.2 Arms<br>2.1 Arms                                  |
| FREQUENCY                      | 45.0~500.0Hz (50Hz, 60Hz selectable)<br>0.1Hz/step(45.0~100.0Hz), 1Hz/step(100.0~500.0Hz) |                      |   |
| WAVEFORM                       | ≤0.5% THD (resistance load)   |                      |   |
| LINE VOLTAGE REGULATION        | <0.1%   |                      |   |
| LOAD REGULATION                | ± 0.5% + 0.1V   |                      |   |
| SAVE/RECALL                    | 4 settings, Save/Recall operated by hand  |                      |   |
| PROTECTION                     | Short-circuit protection, panel- lock, over temperature protection, current overflow      |                      |   |
| MEASUREMENT                    | Range   | Resolution           | Accuracy  |
| Frequency Counter              | 0.0~999.9Hz   | 0.1Hz                | ± 0.1Hz   |
| RMS Volt-Meter                 | 0.0~380.0V  | 0.1V                 | ± (1% of rdg + 1digit)                                |
| RMS Amp-Meter                  | 0.000~2.000A<br>1.80~35.00A   | 1.0mA<br>0.01A       | ± (1% of rdg + 5digits)<br>± (1% of rdg + 20digits)   |
| Wattage Meter                  | 0.0~360.0W<br>320.0~3500.0W   | 0.1W<br>1.0W         | ± (1.5% of rdg + 5digits)<br>± (1.5% of rdg + 1digit) |
| POWER SOURCE                   | AC 115V/230V±15%, 47~63Hz, single phase   |                      |   |
| OPERATION TEMPERATURE/HUMIDITY | 0°C~+40°C; <80% (non-condensing)  |                      |   |
| DIMENSION                      | 430(W) x 137(H) x 500(D)mm  |                      | 430(W)x225(H)x500(D)mm                                |
| WEIGHT                         | Approx. 20kg  | Approx. 25kg         | Approx. 35kg  |

### ORDERING INFORMATION

APS-9102 1000VA A.C. Power Supply  
 APS-9501 500VA A.C. Power Supply  
 APS-9301 300VA A.C. Power Supply

ACCESSORIES :  
 User manual x 1 , Power cord x 1

## OTHER POWER RELATED PRODUCTS

### PROGRAMMABLE D.C. ELECTRONIC LOAD

| Model    | Main Function | Operation Voltage | Operation Current | Power    | Channel | Weight(kg) | Page |     |
|----------|---------------|-------------------|-------------------|----------|---------|------------|------|-----|
| PEL-3021 |               | 1.5~150V          | 35A               | 175W     | 1       | 6          | D61  |     |
| PEL-3041 |               | 1.5~150V          | 70A               | 350W     | 1       | 7          |      |     |
| PEL-3111 |               | 1.5~150V          | 210A              | 1050W    | 1       | 17         |      |     |
| PEL-3211 |               | 1.5~150V          | 420A              | 2100W    | 1       | 23         |      |     |
| PEL-3212 |               | 1.5~150V          | 420A              | 2100W    | 1       | 67.5       |      |     |
| PEL-3323 |               | 1.5~150V          | 630A              | 3150W    | 1       | 85.5       |      |     |
| PEL-3424 |               | 1.5~150V          | 840A              | 4200W    | 1       | 110        |      |     |
| PEL-3535 |               | 1.5~150V          | 1050A             | 5250W    | 1       | 127.5      |      |     |
| PEL-3322 |               | 1.5~150V          | 630A              | 3150W    | 1       | 73         |      |     |
| PEL-3533 |               | 1.5~150V          | 1050A             | 5250W    | 1       | 96.5       |      |     |
| PEL-3744 |               | 1.5~150V          | 1470A             | 7350W    | 1       | 125        |      |     |
| PEL-3955 |               | 1.5~150V          | 1890A             | 9450W    | 1       | 149        |      |     |
| PEL-2020 |               | 1~80V             | 20A               | 100/100W | 2       | 3.8        |      | D71 |
| PEL-2030 |               | 1~80V             | 5/40A             | 30/250W  | 2       | 3.8        |      |     |
| PEL-2040 |               | 1~80V             | 70A               | 350W     | 1       | 3.8        |      |     |
| PEL-2041 |               | 2.5~500V          | 10A               | 350W     | 1       | 3.8        |      |     |

### NON-PROGRAMMABLE D.C. ELECTRONIC LOAD

| Model   | Main Function | Operation Voltage | Operation Current | Power | Channel | Weight(kg) | Page |
|---------|---------------|-------------------|-------------------|-------|---------|------------|------|
| PEL-300 |               | 3 ~ 60V           | 60A               | 300W  | 1       | 9          | D77  |

### PRECISION CURRENT SHUNT METER

| Model    | Main Function | Max. Voltage        | Max. Current       | Channel | Weight(kg) | Page |
|----------|---------------|---------------------|--------------------|---------|------------|------|
| PCS-1000 |               | AC 600V<br>DC 1000V | AC 300A<br>DC 300A | 1       | 6          | D79  |