

# Programmable AC/DC Power Supply



## APS-1102A



### FEATURES

- \* 5.7" Large LCD Display
- \* Output Capacity : 750VA (for AC 100V Input)/1kVA (for AC 200V Input)
- \* Output Modes : AC and AC+DC Combined  
With any of the Four Signal Sources
- \* Signal Sources : Internal (INT), External (EXT), Internal + External(ADD) and Synchronisation (SYNC)
- \* Arbitrary Waveform Power Output
- \* Power Amplifier of External Signal
- \* Measurement Functions : Voltage, Current, Power, Frequency, Power Factor, CF, and Harmonic Current
- \* Capacitor Input Load Supported
- \* Sequence Function Allows Programming of Output Patterns
- \* Limiter Function (Upper/Lower Limits Function)
- \* 30 Sets of SAVE/RECALL Memory
- \* Output On/Off Switch
- \* USB (USBTMC) and RS-232 Standard for Remote Control

### SPECIFICATIONS

MAXIMUM OUTPUT CAPACITY			
AC Input (100 ~ 180V)	750VA		
Input (180 ~ 250V)	1000VA		
DC Input (100 ~ 180V)	750W		
Input (180 ~ 250V)	1000W		
OUTPUT VOLTAGE			
AC 100V	0.0V ~ 155.0Vrms		
200V	0.0V ~ 310.0Vrms		
DC 100V	-220.0V~+220.0V		
200V	-440.0V~+440.0V		
OUTPUT MAX. CURRENT			
AC 100V	10A		
200V	5A		
DC 100V	10A		
200V	5A		
OUTPUT MAXIMUM PEAK CURRENTS			
100V	40Apk		
200V	20Apk		
FREQUENCY			
Setting Range	1.0Hz ~ 550.0Hz		
Setting Accuracy	±0.01% of set (1.0Hz~550.0Hz, 23±5°C)		
WAVEFORM			
SINE WAVE, SQUARE WAVE, ARBITRARY WAVE (Up To 16 Types Can Be Saved)	When signal source mode is INT and ADD mode only		
Output Voltage Distortion Rate	0.5% MAX(50Hz/60Hz), ±50% or higher of the rated output voltage, the maximum current or lower ; THD+N		
LINE VOLTAGE REGULATION			
0.2% MAXIMUM	Power input voltage 100V/120V/230V, no load ,rated output		
LOAD VOLTAGE REGULATION			
0.5% MAXIMUM	At output terminal under no load and rated resistance load		
MEASUREMENT			
	RANGE	RESOLUTION	ACCURACY
Frequency Counter	1.0 ~ 550.0 Hz	0.1Hz	0.01 % of set (1.0Hz~550.0Hz,23±5°C)
	At 45Hz~65Hz		
	Full Scale 100V:250.0Vrms	0.1Vrms	±0.5 % of rdg+0.3Vrms; at 23±5°C
RMS Volt-Meter(AC+DC)	Full Scale 200V:500.0Vrms	0.1Vrms	±0.5 % of rdg+0.6Vrms; at 23±5°C
	At DC 40Hz~550Hz		
	Full Scale 100V:250.0Vrms	0.1Vrms	±0.7 % of rdg+0.9Vrms; at 23±5°C
RMS Amp-Meter(AC+DC)	Full Scale 200V:500.0Vrms	0.1Vrms	±0.7 % of rdg+1.8Vrms; at 23±5°C
	At 45Hz~65Hz		
	Full Scale 15.00Arms	0.01Arms	±0.5% of rdg+0.04Arms ; at 23±5°C
Wattage Meter	At DC 40Hz~550Hz		
	Full Scale 15.00Arms	0.01Arms	±0.7% of rdg+0.08Arms ; at 23±5°C
	At 45Hz~65Hz		
	Full Scale 1200W	1W	±2% of rdg+1W ; at 23±5°C
	At DC		
	Full Scale 1200W	1W	±3% of rdg+12W ; at 23±5°C
			50V or higher output voltage, output current is 10% to 100% of the maximum current