



ARRAY ELECTRONIC CO.,LTD.

# 3715A

## Programmable DC Electronic Load

- 4 basic operating modes: Constant Current, Constant Voltage, Constant Resistance, Constant Power
- Minimum operating voltage is less than 2V at the load's full rated current and zero voltage testing accessories are optional
- Perfect protection assures high reliability in the most complicated test environment
- Multiple groups of parameters and test sequences can be saved and recalled
- Ruggedized structure, small size and convenient operation
- Supports SCPI (Standard Commands for Programmable Instruments) and provides PC software
- An external switching signal is realizable and it is suitable for flow line production



# 3715A Specifications

(The instrument should be warmed for 30 minutes in advance. And its performance is warranted in an temperature range of 25°C ± 5°C .)

Model	3715A
Current Voltage Power	0~30A 0~360V 200W at 40°C
Minimum Operation Voltage @ Full Scale Current	2V
Current Range Resolution (Accuracy)	1 mA(0~3A) ±0.2%±5mA 10 mA(0~30A)±0.2%±30mA
Voltage Range Resolution(Accuracy)	0~360V 1 mV(0~3.6A) ±0.2%±3mV 10 mV (0~36A) ±0.2%±30mV 100 mV(0~360A) ±0.2%±300mV
Resistance Range Resolution Accuracy@ V>8V	0~2000Ω 0.001Ω 0.3%+0.002Ω
Power Range Resolution @P<100W @P≥100W Accuracy	0~200W 1mW 10mW 0.2%+600mW
Step Time Resolution Accuracy	500ms~99999s 500ms 0.2%+500ms
Step Number	1~9步
Cycle	1~255
Store Capacity	4组
Protection Features	OV, OC, OT, OP, RV
Current(rms/p-p) Voltage(rms)	3mA/30mA 5mV
Temperature Relative Humidity	0~40°C ≤85°C
Remote Interface	RS232
Programing Language	SCPI
Voltage Frequency	AC110V or AC220V±15% 48 to 63Hz
Net Weight	5kg

The maximum continuous power available is derated linearly from 100% of the maximum at 40°C, to 75% of the maximum at 50 °C.

## Dimensions:

