

AE-3720A PROGRAMMABLE DC ELECTRONIC LOAD

- 4 operating modes: constant current /voltage /resistance and power
- High-speed sequence, transient, short-circuit, battery discharge and other auxiliary functions
- Minimum operating voltage <0.6V at the load's full rated current
- Optional zero-voltage test accessories available
- Programmable current slew rate
- Perfect protection assures high reliability
- Memory to save /recall parameters and sequences
- Multiple interface to computer
- Menu operation by front keypad and rotary switch
- Supports SCPI and Labview, PC software included



REF: 203720A0000

☒ CE (EMC), ☐ UL, ☐ CE (LVD)

Main specifications

Input ratings: 0~80V, 0~30A, 250W

Constant current: 0~3A/30A, $\pm 0.1\%$

Constant voltage: 0~80V, $\pm 0.1\%$

Constant resistance:

0.02~2 Ω / 200 Ω / 2000 Ω , $\pm 0.3\%$

Constant power: 0~250W, $\pm 0.2\%$

Minimum resolution:

0.1mA, 1mV, 0.1m Ω , 1mW

Measurement function:

DCA: 0~3A/30A, $\pm 0.05\%$

DCV: 0~80V, $\pm 0.1\%$

Power: 0~250W: $\pm 0.1\%$

Current slew rates: 1mA/ μ s~3A/ μ s,

100 μ A/ μ s ~ 300mA/ μ s; $\pm 3\%$

Transient operation:

Mode: Continuous /Pulse /Toggled

Frequency: 0.38Hz ~50kHz

High /low time: 0~655.35ms, $\pm 0.2\%$

Rise /fall time: 10 μ s~655.35ms, $\pm 0.2\%$

List characteristics:

Step time 10 μ s~100,000s, $\pm 0.2\%$

1~50 steps, 1~65,535 cycles, and

storage for 7 lists

Battery discharge: 1s~100h, $\pm 0.2\%$

Battery capacity: 1mAh~3000Ah, $\pm 0.3\%$

Short circuit test, remote trigger input

Interface: RS232C / GPIB / USB

Programming language: SCPI

Power supply: AC 110V / 220V, 48~63Hz

Dimensions: 110x226x414mm, ~5.8kgs