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ARRAY 3731A Programmable DC Electronic Load

ARRAY 3731A Programmable DC Electronic Load – precision, flexibility, and reliability in one compact unit. Designed for engineers and technicians, the 3731A delivers accurate performance with programmable modes for constant current, voltage, resistance, and power. Ideal for testing power supplies, batteries, and other DC sources, it ensures stable results and easy operation through its intuitive interface. Built to handle demanding lab and production environments, the ARRAY 3731A is your trusted partner for professional testing.

Specifications

Current 0~60A

Voltage 0~240V

Power 800W

Constant Current Mode

Low Range 0~6A

Resolution 0.1mA

Accuracy 0.2% + 5mA

High Range 0~60A

Resolution 1mA (0~60A)

Accuracy 0.2% + 10mA

Constant Voltage Mode

0~240V

Range 1mV (0~100V)

Resolution 10mV (100~240V)

Accuracy 0.2% + 10mV

Constant Resistance Mode

Low Range 0.03Ω~2.4MΩ

Resolution 0.1mΩ

Accuracy @V > 6V 0.5% + 12mΩ

High Range 0.2KΩ~240K

Resolution 0.001KΩ

Accuracy @V > 6V 0.5% + 0.12KΩ

Constant Power Mode

Range 0~800W

Resolution @P < 100W 1mW

@P ≥ 100W 10mW

Accuracy 0.2% + 600mW

Current Measurement

Low Range 0~6A

Resolution 0.1mA

Accuracy 0.1% + 6mA + Vin/50KΩ

High Range 0~90A

Resolution 1mA (0~90A)

Accuracy ±(0.2% + 8 mA) + Vin/50KΩ