

FEATURES

- Dynamic mode: up to 10KHZ
- Resolution of voltage and current: 0.1mV/0.1mA
- Interface: LAN & USB & RS232
- Four working modes: CV/CC/CR/CP
- Remote sensing function
- Battery test, automatic test, OPP test, OCP test functions
- Storage for 100 sets
- Short-circuit function
- Current monitoring function
- Power off memory function
- With rotary coding switch to make an easy operation

RS PRO Electronic Load

RS Stock No.: 2544070



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

RS PRO electronic load single channel programmable DC electronic loads, are designed for middle & high-end applications. They can be offered as multiple solutions according to customers' needs. The online voltage measurements and adjustments or simulate short circuit test using the simple keypad on the front panel, can be used by the end users. And they are also a versatile instrument for static and dynamic testing of power supplies, batteries, DC-DC converters, and battery chargers, which provides users the best testing solution.

Specifications:

Calibrated		RSCAL	
Input Rating	Power	300W	
	Voltage	0-150V	
	Current	0-30A	
CC Mode	Range	0-3A	0-30A
	Resolution	0.1mA	1mA
	Accuracy	$\pm (0.05\% \text{ of set} + 0.045\% \text{ off.s})$	
CV Mode	Range	0-18V	0-150V
	Resolution	0.1mV	1mV
	Accuracy	$\pm (0.05\% \text{ of set} + 0.025\% \text{ off.s})$	
CR Mode	Range	0.05 Ω -7.5K Ω	
	Resolution	16 bit	
	Accuracy	$\pm (0.05\% \text{ of set} + 0.025\% \text{ off.s})$	
CW Mode	Range	300W	
	Resolution	0.01W	

	Accuracy	$\pm (0.1\% \text{ of set} + 0.1\% \text{ off.s})$	
Slope	Range	0-3A	0-30A
	Rising	0.0001-0.3A/us	0.001-1.5A/us
	Falling	0.0001-0.3A/us	0.001-1.5A/us
Voltage measurement	Range	0-18V	0-150V
	Resolution	0.1mV	1mV
	Accuracy	$\pm (0.03\% \text{ of set} + 0.025\% \text{ off.s})$	
Current measurement	Range	0-3A	0-30A
	Resolution	0.1mV	1mA
	Accuracy	$\pm (0.05\% \text{ of set} + 0.045\% \text{ off.s})$	
Power measurement	Range	300W	
	Resolution	0.01W	
	Accuracy	$\pm (0.1\% \text{ of set} + 0.1\% \text{ off.s})$	
Over power protection		320W	
Over current protection		32A	
Over voltage protection		155V	
Over temperature protection		85°C	
Input impedance		150K Ω	
Interfaces		5.3kg	
Dimension(W*D*H)		214mm*354mm*88.5mm	

Approvals**Compliance/Certifications**

CE / ROHS / UKCA

Similar Products

Stock No.	Brand	Product Name	Type	Output Voltage Rating
2544055	RS PRO	Electronic Load	1CH	0-120V
1808788	RS PRO	Electronic Load	1CH	0-120V
2018211	RS PRO	Electronic Load	1CH	0-120V