

## KEL-103 PROGRAMMABLE DC ELECTRONIC LOAD – 300W

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### Product Description

The KEL103 electronic load is perfect for R & D, quality control, production lines, school laboratories, and repairing. Electronic loads are used in a variety of tests, including power supply tests and battery tests. You can program them to provide exactly the kind of load that you need for the device you are testing. One of the most common ways to use an electronic load is in the constant current (CC) mode where the electronic load will draw a constant current from the device being tested, no matter what the output voltage is.

### Key Features

- 0-120V, 0-30A, 300W
- Dynamic mode: up to 10KHZ
- Resolution of voltage and current: 0.1mV/0.1mA
- 4 working modes: CV/CC/CR/CW
- Remote sensing function
- Battery test, automatic test, OPP test, OCP test functions
- 100 sets of storage
- Short circuit function
- Current monitoring function
- Power off memory function
- Interfaces: USB, RS232 & LAN



**Specifications**

Model	<b>KEL103</b>	
<b>Input Rating</b>	POWER	300W
	Voltage	0-120V
	Current	0-30A
<b>CC Mode</b>	Range	0-3A      0-30A
	Resolution	0.1mA      1mA
	Accuracy	±(0.05%+0.005%FS)
<b>CV Mode</b>	Range	0-18V      0-120V
	Resolution	
	Accuracy	±(0.05%+0.025%FS)
<b>CR Mode</b>	Range	0.05Ω      -7.5KΩ
	Resolution	16bit
	Accuracy	0.015%+0.1S
<b>CW Mode</b>	Range	300W
	Resolution	0.01W
	Accuracy	±(0.1%+0.1%FS)
<b>Slope</b>	Range	0-3A      0-30A
	Rising	0.0001-0.15A/us      0.001-1.5A/us
	Falling	0.0001-0.15A/us      0.001-1.5A/us
<b>Voltage measurement</b>	Range	0-18V      0-120V
	Resolution	0.1mV      1mV
	Accuracy	±(0.025%+0.025%FS)
<b>Current measurement</b>	Range	0-3A      0-30A
	Resolution	0.1mA      1mA
	Accuracy	±(0.05%+0.05%FS)
<b>Power measurement</b>	Range	1000W
	Resolution	0.01W
	Accuracy	±(0.1%+0.1%FS)
<b>Over power protection</b>	320W	
<b>Over current protection</b>	3.3A/33A	
<b>Over voltage protection</b>	125V	
<b>Over temperature protection</b>	85°C	
<b>Input impedance</b>	150KΩ	
<b>Weight and Dimention(W*D*H)</b>	5.17KGS/107mm*215mm*386mm	
<b>Accessories</b>	User manual, power cord, software CD, USB cable & RS232 cable	
<b>Interfaces</b>	USB, RS232 & LAN	

