



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# LD-200P

## 200 W PROGRAMMABLE ELECTRONIC LOAD

### Applications

The LD-200P Electronic Load is ideally suited for applications where value and quality are equally important such as for:

- Educational labs
- Technical schools
- Internal training facilities
- Hobbyists



### Features

- High resolution (20 mV, 1 mA, 0.1 W, 0.1  $\Omega$ )
- 9 sets of programmable memory
- 4-digit LED display
- Voltage range: 1 - 63 V
- Current range: 10 mA - 15 A
- Maximum power: 200 W
- Operation modes: constant voltage (CV), constant current (CC), constant power (CP), and constant resistance (CR)
- Built in USB interface
- Over Voltage Protection (OVP)
- Over Current Protection (OCP)

### Overview

The LD-200P is a programmable high resolution load with digital button control for ease of operation. With a voltage range of 1-63 V and current range of 10 mA to 15 A, the LD-200P is the perfect all-round electronic load. The LD-200P can operate in constant current (CC), constant voltage (CV), constant resistance (CR), and constant power (CW) mode and has a standard USB interface for remote communication.

LD-200P

## Specifications

<b>Input Ratings</b>	
Input Voltage	63 V
Input Current	15 A
Input Power	200 W
<b>CV Mode</b>	
Range	1-63 V
Resolution	20 mV
Accuracy	$\pm(1\%+20 \text{ mV})$
<b>CC Mode</b>	
Range	10 mA – 15 A
Resolution: 10 mA – 1 A	1 mA
1 A – 15 A	10 mA
Accuracy : 10 mA – 1 A	$\pm(0.5\%+1 \text{ mA})$
1 A – 6 A	$\pm(0.5\%+10 \text{ mA})$
6 A – 15 A	$\pm(1\%+100 \text{ mA})$
<b>CP Mode</b>	
Range	1 – 200 W
Resolution	0.1 W
Accuracy	$\pm(1\%+0.2 \text{ W})$
<b>CR Mode</b>	
Range	0.5-999 $\Omega$
Resolution	0.1 $\Omega$
Accuracy	$\pm(1\%+0.2 \text{ } \Omega)$

All specifications apply to the unit after a temperature stabilization time of 15 minutes over an ambient temperature range of 25 °C  $\pm$  5 °C.



LD-200P

## Specifications

<b>List Mode</b>	
Memory Locations	1-9
Timer Range	1-999999 sec
Timer Resolution	1 sec
<b>Readback Voltage</b>	
Resolution	20 mV
Accuracy	$\pm(1\%+50 \text{ mV})$
<b>Readback Current</b>	
Resolution	10 mA
Accuracy	$\pm(1\%+10 \text{ mA})$
<b>General</b>	
Remote Interface	USB
Protection	OVP & OCP
Operating Temperature	50 °F to 104 °F (10 °C to 40 °C)
Operating Humidity	80% R.H.
AC Line Input	VAC 115/230 $\pm 10\%$ , 50/60 Hz (Selectable)
Fuse	120 V, 1.0 A or 240 V, 0.6 A
Dimensions (W x H x D)	9 x 6.75 x 12 in (228 x 171 x 305 mm)
Weight	10 lbs (4.5 kg)
Warranty	One-year warranty

Specifications are subject to change without notice. To ensure the most current version of this manual, please download the current version from our website: [globalspecialties.com](http://globalspecialties.com).