

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 Ω)
- 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

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

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.

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Specifications

List Mode	
Memory Locations	1-9
Timer Range	1-999999 sec
Timer Resolution	1 sec
Readback Voltage	
Resolution	20 mV
Accuracy	$\pm(1\%+50 \text{ mV})$
Readback Current	
Resolution	10 mA
Accuracy	$\pm(1\%+10 \text{ mA})$
General	
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.	