

RoHS
Compliant



MP710258 US



MP710259 US

Description

This single-channel programmable DC electronic loads, are designed for middle and high end applications. These DC electronic loads are versatile instruments for static and dynamic testing of power supplies, batteries, DC – DC Converters, and battery chargers.

Features

- 0V to 120V, 0A to 30A, 150W
- Dynamic mode: up to 10KHz
- Resolution of voltage and current: 0.1mV/0.1mA
- 4 working modes: CV/CC/CR/CW
- Remote sensing function
- Interfaces: USB, RS232 & LAN
- Battery test, automatic test, OPP test, OCP test functions
- 100 sets of storage
- Short circuit function
- Current monitoring function
- Power off memory function

Specifications

Part Number	MP710258 US	MP710259 US
Input Rating Power	150W / Voltage:0V to120V / Current: 0A to 30A	300W / Voltage:0V to 120V / Current: 0A to 30A
CC Mode	Range: 0A to 3A / 0A to 30A Resolution: 0.1mA / 1mA Accuracy: $\pm(0.05\% + 0.05\% \text{ FS})$	Range: 0A to 3A / 0A to 30A Resolution: 0.1mA / 1mA Accuracy: $\pm(0.05\% + 0.05\% \text{ FS})$
CV Mode	Range: 0V to 18V / 0V to 120V Resolution: 0.1mV/1mV Accuracy: $\pm(0.05\% + 0.025\% \text{ FS})$	Range: 0V to 18V / 0V to 120V Resolution: 0.1mV/1mV Accuracy: $\pm(0.05\% + 0.025\% \text{ FS})$
CR Mode	Range: 0.05 Ω to 7.5k Ω Resolution: 16 bit Accuracy: 0.015%+0.1S	Range: 0.05 Ω to 7.5k Ω Resolution: Accuracy: 0.015%+0.1S
CW Mode	Range: 150W Resolution: 0.01W Accuracy: $\pm(0.1\% + 0.1\% \text{ FS})$	Range: 300W Resolution: 0.01W Accuracy: $\pm(0.1\% + 0.1\% \text{ FS})$

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Part Number	MP710258 US	MP710259 US
Slope	Range 0A to 3A / 0A to 30A Rising: 0.0001 to 0.15A/us / 0.001 to 1.5A/us Falling: 0.0001 to 0.15A/us / 0.001 to 1.5A/us	Range 0A to 3A / 0A to 30A Rising: 0.0001 to 0.15A/us / 0.001 to 1.5A/us Falling: 0.0001 to 0.15A/us / 0.001 to 1.5A/us
Voltage Measurement	Range: 0V to 18V / 0V to 120V Resolution: 0.1mV/1mV Accuracy: $\pm(0.025\% + 0.025\% \text{ FS})$	Range: 0V to 18V / 0V to 120V Resolution: 0.1mV/1mV Accuracy: $\pm(0.025\% + 0.025\% \text{ FS})$
Current Measurement	Range: 0A to 3A / 0A to 30A Resolution: 0.1mA / 1mA Accuracy: $\pm(0.05\% + 0.05\% \text{ FS})$	Range: 0A to 3A / 0A to 30A Resolution: 0.1mA / 1mA Accuracy: $\pm(0.05\% + 0.05\% \text{ FS})$
Power Measurement	Range 150W Resolution: 0.01W Accuracy: $\pm(0.1\% + 0.1\% \text{ FS})$	Range 300W Resolution: 0.01W Accuracy: $\pm(0.1\% + 0.1\% \text{ FS})$
Over Power Protection	160W	320W
Over Current Protection	3.3A/33A	3.3A / 33A
Over Voltage Protection	125V	125V
Over Temperature Protection	85°C	85°C
Input Impedance	150K Ω	150K Ω
Interfaces	USB, RS232 & LAN	USB, RS232 & LAN
Weight and Dimension	11.4lbs (5.17 kg) / 4.26" x 8.5" x 15.2" (107mm x 215mm x 386mm)	11.4lbs (5.17 kg) / 4.26" x 8.5" x 15.2" (107mm x 215mm x 386mm)
Input Supply Voltage	120V AC, 60Hz	120V AC, 60Hz

Accessories Included

US Power Cord, Software CD, USB Cable, RS232 Cable, Manual

Standard Warranty 12 Months

Part Number Table

Description	Part Number
DC Electronic Load, 150W, 0V to 120V, 0A to 30A	MP710258 US
DC Electronic Load, 300W, 0V to 120V, 0A to 30A	MP710259 US

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