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Data Sheet

August 12, 2026

SORENSEN

Sorensen LHP 100-10 DC Power Supply 0-100 V, 0-10A

Instrument Type: Programmable DC Power Supply Alias: LHP100-10; LHP 100-10; Sorensen LHP 100-10 Analog (std); RS-232 (M8); GPIB (M9B); isolated analog (M51) Specs from Sorensen LHP Series 1 kW product literature for model LHP 100-10. Finer regulation/accuracy/ripple limits belong on the OEM datasheet face/calibration certificate for the specific unit and options fitted. Alias: LHP100-10; LHP 100-10; Sorensen LHP 100-10 Analog (std); RS-232 (M8); GPIB (M9B); isolated analog (M51) Specs from Sorensen LHP Series 1 kW product literature for model LHP 100-10. Finer regulation/accuracy/ripple limits belong on the OEM datasheet face/calibration certificate for the specific unit and options fitted.



MODEL

Sorensen LHP 100-10

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

LHP 100-10

LISTING

<https://aumictechlabs.com/products/lhp-100-10-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Sorensen LHP 100-10 is a 1000-watt DC power supply engineered for laboratory and industrial bench applications. It delivers variable output from 0 to 100 VDC at 0 to 10 ADC, operating in constant voltage (CV) and constant current (CC) modes with automatic crossover. The unit supports remote sensing for load-end voltage regulation and accepts both front-panel and remote analog programming. Built-in protection includes over-voltage protection (OVP) and

over-temperature shutdown. Internal fan cooling maintains thermal stability during operation.

Technical Specifications

Output Power: 1000 W Output Voltage: 0–100 VDC Output Current: 0–10 ADC Operating Modes: Constant Voltage, Constant Current, Automatic Crossover AC Input: 50–60 Hz Cooling: Internal fan cooled Remote Sensing: Voltage regulation compensation at load via rear panel terminals

Key Features

Dual-mode operation transitions automatically between CV and CC regulation Front-panel potentiometer controls for voltage and current limit adjustment Digital display readouts for output voltage and current Remote analog programming interface for external system integration Output enable/disable control Over-voltage and over-temperature protection Remote sensing inputs isolate load drops from regulation feedback

Typical Applications

Suitable for circuit development, component testing, equipment qualification, and precision load simulation where stable, programmable DC output is required.

Compatibility & Integration

Rear-panel connectors accommodate AC mains input, remote sensing terminals, and analog programming inputs. Configuration via front panel or remote source supports both standalone and system-integrated operation.

Features & description

From manufacturer datasheet

Features

- Output: 0–100 VDC, 0–10 A, 1000 W
- Form factor: half-rack; <3.5 in (2U) vertical height
- AC input: universal with power factor correction; full power from standard 120 VAC 15 A outlets (series claim)
- Control: external analog programming standard
- Options: M8 RS-232; M9B IEEE-488 (GPIB) with 14-bit programming / software calibration; M51 isolated analog; RM2 rack kit
- Series or parallel operation for higher voltage or current
- Transient response: ~100 μ s typical for $\pm$ 50% load change (series)
- Ripple: 1.0 mV RMS class (series literature)
- Front and rear output connectors
- Simultaneous V/I digital displays with LED bar-graph indicators (series)
- Automatic CV/CC crossover; no overshoot at turn-on/off/power fail (series)

LHP100 Characteristics / Specifications

PARAMETER	VALUE
Model	LHP 100-10
Manufacturer	Sorensen
Instrument Type	Programmable DC Power Supply
Alias	LHP100-10; LHP 100-10; Sorensen LHP 100-10 Output
Voltage	0–100 V
Current	0–10 A
Power	1000 W Mechanical / Input
Package	half-rack, ~2U height
Input	universal AC with PFC Programming Options Analog (std); RS-232 (M8); GPIB (M9B); isolated analog (M51) Notes Specs from Sorensen LHP Series 1 kW product literature for model LHP 100-10. Finer regulation/accuracy/ripple limits belong on the OEM datasheet face/calibration certificate for the specific unit and options fitted.
Output	0–100 VDC, 0–10 A, 1000 W
Form factor	half-rack; <3.5 in (2U) vertical height
AC input	universal with power factor correction; full power from standard 120 VAC 15 A outlets (series claim)
Control	external analog programming standard
Options	M8 RS-232; M9B IEEE-488 (GPIB) with 14-bit programming / software calibration; M51 isolated analog; RM2 rack kit
Transient response	~100 μ s typical for $\pm 50\%$ load change (series)
Ripple	1.0 mV RMS class (series literature)

LHP100 Specifications

PARAMETER	VALUE
Applications	Benchtop and ATE DC bias; series/parallel stacking for higher V or I; analog or optional GPIB/RS-232 remote programming.
Key Features	- Output: 0–100 VDC, 0–10 A, 1000 W
Technical Specifications	Model: LHP 100-10
Mechanical / Input	Package: half-rack, ~2U height
Programming Options	Analog (std); RS-232 (M8); GPIB (M9B); isolated analog (M51)

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications

Specifications

PARAMETER	VALUE
Model	LHP 100-10
Manufacturer	Sorensen
Instrument Type	Programmable DC Power Supply
Alias	LHP100-10; LHP 100-10; Sorensen LHP 100-10

Output

Specifications

PARAMETER	VALUE
Voltage	0-100 V
Current	0-10 A
Power	1000 W

Mechanical / Input

Package: half-rack, ~2U height

Input: universal AC with PFC

Programming Options

Analog (std); RS-232 (M8); GPIB (M9B); isolated analog (M51)

Notes

Specs from Sorensen LHP Series 1 kW product literature for model LHP 100-10. Finer regulation/accuracy/ripple limits belong on the OEM datasheet face/calibration certificate for the specific unit and options fitted.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.