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Data Sheet

August 14, 2026

AMETEK / ELGAR / SORENSEN

Ametek / Elgar / Sorensen DCS150-7E 1 kW Power Supply

Ametek / Elgar / Sorensen DC Power Supplies. Voltage: 0 to 150 Vdc, Current: 0 to 7 A, Voltage: Selectable 100–132 Vac or 200–2150 Vac.



MODEL

**Ametek / Elgar /
Sorensen DCS150-
7E**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

DCS150-7E

LISTING

[https://aumictechlabs.c
om/products/dcs150-7e
-3/](https://aumictechlabs.com/products/dcs150-7e-3/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Ametek / Elgar / Sorensen DCS150-7E is a 1 kW programmable DC power supply designed for manufacturing test, component burn-in, avionics, telecommunications, consumer product development, beam steering, process control, and laboratory R&D. Built on high-frequency switching regulator technology, it delivers high power density in a compact, low-profile chassis suitable for demanding validation and acceptance testing environments. Technical Specifications Output Power: 1.0 kW Output Voltage: 0 to 150 Vdc Output Current: 0 to 7 A Input Voltage: Selectable 100–132 Vac or 200–2150 Vac, single phase, 47–63 Hz Load Regulation: Tight regulation capability for validation and acceptance testing Over-Voltage Protection (OVP): Adjustable with external TTL, AC, or DC shutdown inputs Key Features 10-turn potentiometers for high-resolution voltage and current adjustment from zero to rated output Simultaneous digital

display of output voltage and current Automatic mode crossover between constant current and constant voltage operation Remote sensing to compensate for losses in power leads Parallel or series connection capability for increased current or voltage output Front panel LED indicators for overtemperature, remote programming status, shutdown, OVP, and operating mode Multiple programming options: analog (10-turn), digital 12-bit via IEEE-488.2/RS-232C (Option M9C), and 16-bit via LXI-compliant Ethernet LAN/RS-232C (M130 option) Isolated analog control and monitoring available (Option M51) External shutdown via TTL, AC, or DC inputs Remote status signal outputs for OVP, programming mode, thermal shutdown, and output levels Physical Specifications Dimensions: 43 mm H × 482 mm W × 445 mm D Weight: 19 lb Compatibility & Integration Multiple interface options enable integration into automated test systems. IEEE-488.2, RS-232C, and Ethernet LAN connectivity support remote operation and data logging. Multichannel follower interfaces (Options M85 or M131) allow master-follower control configurations.

DCS1507E Characteristics / Specifications

PARAMETER	VALUE
Output Voltage	0 to 150 V
Output Current	0 to 7 A
Output Power	1050 W class
Combined Line And Load Regulation Voltage Class	0.2 percent
Combined Line And Load Regulation Current Class	0.2 percent
Voltage Ripple RMS Typical	12 mV
Voltage Noise Peak To Peak Typical	160 mV
Current Ripple RMS Typical	2 mA
Transient Response Typical	500 us
Temperature Coefficient Voltage Typical	0.02 percent perCTemperature Coefficient Current Typical: 0.03 percent perCVoltage Drift Typical: 0.05 percent of Vmax
Current Drift Typical	0.05 percent of I _{max}
Voltage Resolution Typical	0.02 percent
Efficiency Typical	86 percent
AC Input 230 V Class Current Typical	8 A single phase
Meter Accuracy	1 percent of full scale plus 1 count
Remote Sense Drop Maximum	4 V per line
OVP Adjustment	5 to 110 percent of rated output
Operating Temperature Full Rating	0 C to 50 C
Derating Above 50 C	2 percent perCto 70 C
Size HxWxD	44 mm x 482 mm x 444 mm
Weight	8.6 kg
Series Platform	DCS 1 kW
Operating temperature	Full Rating: 0 C to 50 C

DCS1507E Specifications

PARAMETER	VALUE
Applications	Higher voltage 1 kW ATE DC bias, burn-in, process control, and laboratory R&D needing up to 150 V in a low profile 1U switching supply.
Key Features	Continuous full power within V/I ratings
Analog remote programming standard	Optional IEEE 488.2 GPIB/RS-232 M9C interface
Technical Specifications	Output Voltage: 0 to 150 V

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
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Size HxWxD	44 mm x 482 mm x 444 mm
Weight	8.6 kg
Series Platform	DCS 1 kW Notes Numeric rows from Sorensen/Elgar DCS Series 1 kW datasheet column for DCS 150-7E. Output power shown as 1050 W on model rating tables covering 0 to 150 V at 0 to 7 A.

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	
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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.