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Data Sheet

August 13, 2026

LAMBDA / TDK

Lambda / TDK / EMI LQ-520

Lambda LQ-520 Linear Lab Power Supply 0-10 V 0-5 A The Lambda LQ-520 is an LQ-520 series linear laboratory DC supply listed as 0-10 V, 0-5 A (also LQ520-VI NSN row: 0.0 to 10.0 V). Adjacent LQ rows: LQ-521 0-20 V 0-3.3 A class, LQ-522 0-40 V 0-1.8 A, LQ-523 0-60 V 0-0.9 A. CV/CC linear lab construction with analog metering on FM packages. 0-10 V high-current linear lab DC; LQ-520 family MRO. The Lambda LQ-520 is an LQ-520 series linear laboratory DC supply listed as 0-10 V, 0-5 A (also LQ520-VI NSN row: 0.0 to 10.0 V). Adjacent LQ rows: LQ-521 0-20 V 0-3.3 A class, LQ-522 0-40 V 0-1.8 A, LQ-523 0-60 V 0-0.9 A. CV/CC linear lab construction with analog metering on FM packages. 0-10 V high-current linear lab DC; LQ-520 family MRO.

**MODEL****Lambda / TDK LQ-520****CALIBRATION****Available on request****CONDITION****Used****STATUS****In stock****RFQ / SKU****LQ-520****LISTING**<https://aumictechlabs.com/products/lq-520-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Lambda/TDK EMI LQ-520 is a regulated DC power supply for bench and rack-mount laboratory and test equipment applications. This convection-cooled unit delivers precise voltage and current regulation with exceptional ripple performance, meeting EMC standards without requiring external cooling. Front-panel metering, dual voltage adjustment controls, and remote sensing capability make it suitable for demanding ATE and industrial test environments requiring stability and low noise output. Technical Specifications Input & Output Input voltage: 105–132 VAC standard (47–440 Hz); Options V (187–242 VAC) and V1 (205–265 VAC) available Output

regulation (line): $\pm 0.005\% + 0.5 \text{ mV}$ across specified input range Output regulation (load): $\pm 0.005\% + 0.5 \text{ mV}$ from 0 to full load Voltage adjustment: 1% to maximum output via internal potentiometers; coarse and fine front-panel controls Current limiting: Adjustable from zero to I_{max} with constant current crossover at 1% I_{out} Ripple and noise (20 MHz BW): 1 mV pk-pk, 150 μV RMS Temperature coefficient: $\pm(0.005\% V_o + 10 \mu\text{V})/^{\circ}\text{C}$ Mechanical & Thermal Dimensions: 5-3/16" H $\times$ 4-3/16" W $\times$ 15-1/2" D Weight: 14 lbs net, 18 lbs shipping Operating temperature: 0°C to 60°C continuous (derating above 30°C) Storage temperature: -55°C to +85°C Cooling: Convection; no fans required Protection & Interfaces Thermal protection: Self-resetting thermostat Electrical protection: Adjustable current limiting and primary/secondary fuses Input connections: Rear barrier strip Output connections: Five-way front-panel binding posts Remote sensing provided to eliminate lead resistance effects Key Features Digital metering with METER SELECTION switch for voltage or current monitoring Front-panel power on-off switch and single-turn current adjustment Compact convection-cooled design for noise-sensitive applications Dual-range input voltage options accommodate international standards Output derating: 10% at 50 Hz Typical Applications Laboratory power systems, automated test equipment (ATE), industrial bench testing, and bench-top instrumentation requiring high regulation accuracy and low output noise.

LQ520 Characteristics / Specifications

PARAMETER	VALUE
Model	LQ-520
Manufacturer	Lambda Electronics
Instrument Type	Linear Laboratory DC Power Supply
Series	LQ-520
Alias	LQ-520; LQ520; LQ520-VI; LQ-520-7598
Voltage Range	0 to 10 Vdc
Current Rating	0 to 5 A
NSN Note	LQ520-VI listed 0.0 V min to 10.0 V max
Mode	CV/CC automatic crossover
Family LQ5	0-20 V, 0-3.3 A class listing
AC Input	105-132 Vac class Lambda lab
Meters	analog on FM / 7598 packages
Connections	binding posts
Regulation	Lambda LQ linear class; exact % on the LQ sheet
Ripple	Lambda LQ linear class
Remote Program	Lambda lab 200 ohm/V class on related LPD/LQ lines
Form	bench laboratory
Power Class	10 V x 5 A = 50 W class
Status	legacy linear
Ambient	0-60 C derated current typical Notes Specs from Lambda LQ-520 catalog/Selectron 0-10 V / 0-5 A and NSN LQ520-VI 0-10 V. Confirm suffix 7598/VI/FM on the unit.

LQ520 Specifications

PARAMETER	VALUE
Applications	0-10 V high-current linear lab DC; LQ-520 family MRO.
Key Features	- 0-10 V, 0-5 A
Technical Specifications	Model: LQ-520
Notes	Specs from Lambda LQ-520 catalog/Selectron 0-10 V / 0-5 A and NSN LQ520-VI 0-10 V. Confirm suffix 7598/VI/FM on the unit.

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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PARAMETER	VALUE
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Manufacturer	Lambda Electronics
Instrument Type	Linear Laboratory DC Power Supply
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PARAMETER	VALUE
Series	LQ-520
Alias	LQ-520; LQ520; LQ520-VI; LQ-520-7598
Voltage Range	0 to 10 Vdc
Specifications	
PARAMETER	VALUE
Current Rating	0 to 5 A
NSN Note	LQ520-VI listed 0.0 V min to 10.0 V max
Mode	CV/CC automatic crossover
Specifications	
PARAMETER	VALUE
Family LQ521	0-20 V, 0-3.3 A class listing
Family LQ522	0-40 V, 0-1.8 A
Family LQ523	0-60 V, 0-0.9 A
Specifications	
PARAMETER	VALUE
AC Input	105-132 Vac class Lambda lab
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Connections	binding posts

Specifications

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Specifications

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Power Class	10 V x 5 A = 50 W class
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Ambient: 0-60 C derated current typical

Notes

Specs from Lambda LQ-520 catalog/Selectron 0-10 V / 0-5 A and NSN LQ520-VI 0-10 V. Confirm suffix 7598/VI/FM on the unit.

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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NIST-traceable calibration · SAM registered ·
30-day returns
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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.