

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 3, 2026

LAMBDA

Lambda LDS-X-15 DC Regulated Power Supply

Key Features - Output voltage: 15 V $\pm$ 5% ($\approx$ 14.3–15.7 V) - Output current: 3.6 A to 5.5 A depending on ambient temperature - Dual-range AC input: 105–127 Vac or 210–254 Vac - Input frequency: 47–440 Hz - Series: Lambda LDS-X regulated supplies - Connections: screw terminals (typical) Technical Specifications Model: LDS-X-15 Manufacturer: Lambda Electronics (Veeco/Lambda) Instrument Type: DC Regulated Power Supply Alias: LDS-X-15; LDSX15; Lambda LDS X-15 Output Voltage: 15 V $\pm$ 5% (14.3 V min to 15.7 V max typical listing) Current: 5.5 A (4.7 A) / 4.6 A (3.9 A) / 3.6 A (3.



MODEL

Lambda LDS-X-15

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

LDS-X-15

LISTING

<https://aumictechlabs.com/products/lds-x-15-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Lambda LDS-X-15 is a 15 VDC regulated power supply engineered to deliver stable, precision-regulated power in demanding technical environments. This convection-cooled unit combines tight voltage regulation, minimal output ripple, and automatic protection circuits to ensure reliable operation across temperature-sensitive and industrial applications. With selectable 105–127 VAC or 210–254 VAC input, the LDS-X-15 scales across a wide range of operating conditions while maintaining stringent electrical performance. Technical Specifications Output: 15 $\pm$ 5% VDC; maximum 5.5 A at 40°C ambient (4.7 A with cover), derating to 3.6 A at 60°C ambient. Input Power: 200 W; 105–127 VAC or 210–254 VAC (transformer tap selectable); 47–440 Hz frequency

range (ratings apply 57–63 Hz). Line & Load Regulation: 0.005% + 0.5 mV across input variations (105–254 VAC) and load transitions (no load to full load). Output Ripple & Noise: 150 μ V RMS, 1 mV peak-to-peak (either polarity grounded). Temperature Coefficient: $\pm(0.01\% + 10 \mu\text{V})/^{\circ}\text{C}$; operating range 0°C to 60°C continuous (with derating above 40°C); storage –55°C to +85°C. Isolation & Safety: 10 M Ω minimum isolation (DC to ground, 750 VDC); MIL-T-27C Grade 6 transformer with 4000 VAC input/output isolation and electrostatic shielding. Key Features Zero overshoot on power-on, power-off, and failure transients Automatic electronic current limiting and thermal protection (auto-reset) Remote sensing provision eliminates lead-resistance voltage drop effects Fungus-inert construction; no nutrient materials used Heavy-duty PCB-mounted screw terminals Three mounting surfaces and mounting positions Typical Applications Laboratory instrumentation, industrial control, telecommunications, and field-deployable systems requiring stable, regulated 15 VDC in temperature-variable or high-vibration environments. Compatibility & Integration MIL-STD-810C validated for Low Pressure, High Temperature, Low Temperature, Temperature Shock, Temperature-Altitude, Humidity, Fungus, Vibration, and Shock. Physical dimensions 7 $\frac{3}{4}$ " $\times$ 4 $\frac{7}{8}$ " $\times$ 2 $\frac{5}{8}$ "; net weight 7.3 lbs. Gray finish per Federal Standard 595, No. 26081.

Features & description

From manufacturer datasheet

Features

- Output voltage: 15 V $\pm$ 5% ($\approx$ 14.3–15.7 V) • Output current: 3.6 A to 5.5 A depending on ambient temperature • Dual-range AC input: 105–127 Vac or 210–254 Vac • Input frequency: 47–440 Hz • Series: Lambda LDS-X regulated supplies • Connections: screw terminals (typical)

LDSX Characteristics / Specifications

PARAMETER	VALUE
Model	LDS-X-15
Manufacturer	Lambda Electronics (Veeco/Lambda)
Instrument Type	DC Regulated Power Supply
Alias	LDS-X-15; LDSX15; Lambda LDS X-15 Output
Voltage	15 V $\pm 5\%$ (14.3 V min to 15.7 V max typical listing)
Current	5.5 A (4.7 A) / 4.6 A (3.9 A) / 3.6 A (3.1 A) ambient-dependent columns per LDS-X manual table
Ripple/regulation	per Lambda LDS-X Series performance standards in the instruction manual Input
Frequency	47–440 Hz
Phase	Single
Operating Ambient	approximately 0 to 60 °C (listing) Operational Notes Prefer Lambda LDS-X Series instruction manual for exact ripple, regulation %, and sense wiring. Confirm faceplate voltage/current before loading.
Output voltage	15 V $\pm 5\%$ (≈ 14.3 –15.7 V)
Output current	3.6 A to 5.5 A depending on ambient temperature
Dual-range AC input	105–127 Vac or 210–254 Vac
Input frequency	47–440 Hz
Series	Lambda LDS-X regulated supplies
Connections	screw terminals (typical)

LDSX Specifications

PARAMETER	VALUE
Applications	General regulated +15 V bench or system DC supply; equipment requiring Lambda LDS-X Series form-factor rails.
Key Features	- Output voltage: 15 V $\pm$ 5% ($\approx$ 14.3–15.7 V)
Technical Specifications	Model: LDS-X-15
Output	Voltage: 15 V $\pm$ 5% (14.3 V min to 15.7 V max typical listing)
Input	Voltage: 105–127 Vac or 210–254 Vac

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	LDS-X-15
Manufacturer	Lambda Electronics (Veeco/Lambda)
Instrument Type	DC Regulated Power Supply
Alias	LDS-X-15; LDSX15; Lambda LDS X-15

Output

Specifications

PARAMETER	VALUE
Voltage	15 V ±5% (14.3 V min to 15.7 V max typical listing)
Current	5.5 A (4.7 A) / 4.6 A (3.9 A) / 3.6 A (3.1 A) ambient-dependent columns per LDS-X manual table
Ripple/regulation	per Lambda LDS-X Series performance standards in the instruction manual

Input

Specifications

PARAMETER	VALUE
Voltage	105-127 Vac or 210-254 Vac
Frequency	47-440 Hz
Phase	Single
Operating Ambient	approximately 0 to 60 °C (listing)

Operational Notes

Prefer Lambda LDS-X Series instruction manual for exact ripple, regulation %, and sense wiring. Confirm faceplate voltage/current before loading.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 3, 2026

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