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Data Sheet

August 13, 2026

LAMBDA / TDK

Lambda / TDK / EMI LPD425

Lambda LPD425 Dual Output Linear Lab Power Supply 0-250 V The Lambda LPD425 is an LPD-400A series dual-output linear regulated laboratory DC power supply. Each channel is 0 to 250 Vdc with temperature-derated current (Tablelclass: 0.13 A at 30 C). Constant-voltage and constant-current modes crossover automatically. AC input is 105-132 Vac at 47-440 Hz (full ratings 57-63 Hz). Remote programming is 200 ohm/V or one-to-one voltage. FM suffix denotes the metered front-panel laboratory package. Dual-rail lab benches; tracking or independent analog rails; ATE fixture DC; replacement of LPD-400A family channels. The Lambda LPD425 is an LPD-400A series dual-output linear regulated laboratory DC power supply. Each channel is 0 to 250 Vdc with temperature-derated current (Tablelclass: 0.13 A at 30 C). Constant-voltage and constant-current modes crossover automatically. AC input is 105-132 Vac at 47-440 Hz (full ratings 57-63 Hz). Remote programming is 200 ohm/V or one-to-one voltage. FM suffix denotes the metered front-panel laboratory package. Dual-rail lab benches; tracking or independent analog rails; ATE fixture DC; replacement of LPD-400A family channels.

**MODEL****Lambda / TDK
LPD425****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****LPD425****LISTING**[https://aumictechlabs.c
om/products/lpd425-2/](https://aumictechlabs.com/products/lpd425-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Lambda LPD425 is an EMI filter and power supply unit engineered to suppress electromagnetic interference across industrial and electronic applications. It delivers constant

voltage or constant current operation with automatic crossover, supported by integrated metering and precision current limiting control. Built for regulatory compliance and field reliability, the unit combines compact architecture with effective noise attenuation to meet demanding EMI suppression requirements.

Technical Specifications

Input Power AC input: 105–132 VAC at 47–440 Hz Derating applies for 47–53 Hz operation (10% current reduction); 57–63 Hz ratings apply nominally

Maximum DC voltage capability: 500 V between +DC or –DC terminal and chassis ground; 300 V maximum between either output terminal and ground

Operating Modes Constant Voltage or Constant Current with automatic crossover

Single ten-turn potentiometer for current limiter adjustment

Key Features

- Integrated voltmeter and ammeter on all LPD series models
- Selectable grounding: negative, positive, or floating output terminal configurations
- Excellent EMI attenuation characteristics for noise suppression
- Compact footprint enabling space-constrained installations
- RoHS compliant construction
- Safety agency approvals

Typical Applications

The LPD425 serves applications demanding precision voltage or current regulation with integrated EMI filtering - industrial control systems, test benches, laboratory power distribution, and equipment requiring regulatory electromagnetic compatibility certification.

Compatibility & Integration

The unit supports negative or positive grounding schemes, providing flexible integration into systems with varied ground architectures. Integrated metering eliminates the need for external monitoring instrumentation in bench and production environments.

Features & description

From manufacturer datasheet

Features

- Two independent 0 to 250 V channels

LPD425 Characteristics / Specifications

PARAMETER	VALUE
Model	LPD425
Manufacturer	Lambda Electronics (Veeco/Lambda; TDK-Lambda successor)
Instrument Type	Dual Output Linear DC Power Supply
Series	LPD-400A
Alias	LPD425; Lambda LPD425
Channel Count	2 independent regulated outputs
Voltage Range Each	0 to 250 Vdc
Current At 30 C	0.13 A per channel
Current At 40 C	see LPD-400A TableI per channel
Current At 50 C	see LPD-400A TableI per channel
Current At 60 C	see LPD-400A TableI per channel
Voltage Regulation Line	0.01% plus 1.0 mV for 105-132 Vac variations
Voltage Regulation Load	0.01% plus 1.0 mV no load to full load
Ripple RMS	500 uVrms with either polarity grounded (1 mV class LPD-425FM)
Ripple Peak	1.5 mV peak-to-peak (LPD-425 higher class on some sheets)
Temperature Coefficient	less than (0.015% + 0.5 mV)/C class LPD-400A
Program Resistor	200 ohm per volt nominal
Program Voltage	one-to-one
Current Regulation Line	5 mA class for 105-132 Vac (LPD-400A current table)
Mode	constant voltage / constant current automatic crossover
AC Input	105-132 Vac, 47-440 Hz (ratings for 57-63 Hz; 10% current derate 47-53 Hz)
Input Power	115 W class LPD-425AFM (LPD-400A input-power table, 30 C / 132 Vac class)
Ambient	0 to 60 C continuous duty with corresponding current columns
Meters	analog volt and amp meters per channel on FM packages

PARAMETER

VALUE

Connections

rear barrier / front binding posts on FM laboratory chassis

Family Table

LPD-421 0-20 V 1.7 A; LPD-422 0-40 V 1.0 A; LPD-423 0-60 V 0.7 A;
LPD-424 0-120 V 0.38 A; LPD-425 0-250 V 0.13 A (30 C) Notes

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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Specifications

PARAMETER	VALUE
Input Power	115 W class LPD-425AFM (LPD-400A input-power table, 30 C / 132 Vac class)
Ambient	0 to 60 C continuous duty with corresponding current columns
Meters	analog volt and amp meters per channel on FM packages

Connections: rear barrier / front binding posts on FM laboratory chassis

Family Table: LPD-421 0-20 V 1.7 A; LPD-422 0-40 V 1.0 A; LPD-423 0-60 V 0.7 A; LPD-424 0-120 V 0.38 A; LPD-425 0-250 V 0.13 A (30 C)

Notes

Specs from Lambda LPD-400A: LPD-425AFM dual 0-250 V at 0.13 A (30 C). Ripple on LPD-425 is 1 mV class (manual note vs 500 uV on lower-voltage LPD). Confirm faceplate current.

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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<https://aumictechlabs.com>

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30-day returns
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Generated August 13, 2026

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