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Data Sheet

August 13, 2026

LAMBDA / TDK / EMI

Lambda / TDK / EMI LPD422A

Lambda LPD422A Dual Output Linear Lab Power Supply 0-40 V The Lambda LPD422A is an LPD-400A series dual-output linear regulated laboratory DC power supply. Each channel is 0 to 40 Vdc with temperature-derated current (Tablelclass: 1.0 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 LPD422A is an LPD-400A series dual-output linear regulated laboratory DC power supply. Each channel is 0 to 40 Vdc with temperature-derated current (Tablelclass: 1.0 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 /
EMI LPD422A****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****LPD422A****LISTING**[https://aumictechlabs.c
om/products/lpd422a-
2/](https://aumictechlabs.com/products/lpd422a-2/)

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SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Lambda / TDK / EMI LPD422A-FM is a dual-output regulated DC power supply engineered for laboratory, industrial, and commercial applications. It delivers two independent, continuously variable DC outputs spanning 0 to 40 VDC at up to 1 A per channel, with exceptional line and load regulation of 0.01% + 1 mV. The unit operates in constant voltage/constant current mode with continuously adjustable current limiting, short-circuit protection, and automatic safeguards against overvoltage and overtemperature faults. Front-panel analog meters provide simultaneous voltage and current monitoring for each output. Remote sensing and programming terminals enable precision applications requiring external feedback control. Convection cooling eliminates fan noise and maintenance concerns in sensitive measurement environments.

Technical Specifications

Outputs: 2 independent DC channels

Voltage Range: 0 to 40 VDC per output

Current Range: 0 to 1 A per output

Voltage Regulation: 0.01% + 1 mV (line and load)

Ripple and Noise: 500 μ Vrms / 1.5 mVpp

Current Limiting: Continuously adjustable with automatic activation

AC Input: 105–132 VAC, 47–440 Hz (10% current derating at 47–53 Hz)

Total Output Power: Approximately 80 W

Cooling: Convection cooled

Key Features

- CV/CC operation for constant voltage or current delivery
- Short-circuit proof design with no overshoot during power transitions
- Five-way binding posts for DC output connections
- Dual analog meters - voltmeter and ammeter per output
- Remote sensing and programming terminals for external control systems

Compact footprint: 5 3/16" H $\times$ 8 3/8" W $\times$ 10 3/32" D

Typical Applications

Bench-top testing, circuit characterization, component qualification, and automated test systems requiring independent dual-channel power distribution with precise regulation.

Compatibility & Integration

Rear-panel terminal blocks and five-way binding posts accommodate standard laboratory patch cords and test leads. Remote sensing terminals (3 and 7) support distributed sensing architectures for systems with significant wire-length voltage drop.

Features & description

From manufacturer datasheet

Features

- Two independent 0 to 40 V channels

LPD422A Characteristics / Specifications

PARAMETER	VALUE
Model	LPD422A
Manufacturer	Lambda Electronics (Veeco/Lambda; TDK-Lambda successor)
Instrument Type	Dual Output Linear DC Power Supply
Series	LPD-400A
Alias	LPD422A; Lambda LPD422A
Channel Count	2 independent regulated outputs
Voltage Range Each	0 to 40 Vdc
Current At 30 C	1.0 A per channel
Current At 40 C	see LPD-400A TableIper channel
Current At 50 C	see LPD-400A TableIper channel
Current At 60 C	see LPD-400A TableIper 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	190 W (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

PARAMETER	VALUE
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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Input Power	190 W (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-422AFM is dual 0-40 V at 1.0 A (30 C); input power 190 W. Confirm FM vs non-FM package.

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.