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Data Sheet

August 13, 2026

LAMBDA / TDK

Lambda / TDK / EMI LP-412A-FM

Manufacturer: Lambda Electronics (Veeco/Lambda; TDK-Lambda successor) Instrument Type: Linear Laboratory DC Power Supply Alias: LP-412A-FM; LP412AFM; LP 412A FM; Veeco LP-412A-FM Package FM: metered laboratory chassis (voltmeter and ammeter) Instrument Type: Linear Laboratory DC Power Supply Alias: LP-412A-FM; LP412AFM; LP 412A FM; Veeco LP-412A-FM Package FM: metered laboratory chassis (voltmeter and ammeter) Package A: A-suffix electrical/mechanical revision

**MODEL****Lambda / TDK LP-412A-FM****CALIBRATION****Available on request****CONDITION****Used****STATUS****In stock****RFQ / SKU****LP-412A-FM****LISTING**<https://aumictechlabs.com/products/lp-412a-fm-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Lambda/TDK EMI LP-412A-FM is a single-output DC power supply engineered for bench and rack deployment. This convection-cooled unit delivers 0–40 V and 0–1 A with continuously variable output, dual coarse and fine voltage adjustment controls, and independent current adjustment. Built-in DC voltmeter and ammeter provide real-time monitoring of output conditions. The supply operates in constant voltage/constant current mode with automatic crossover, backed by adjustable electronic current limiting (settable to 105% of rated current) and fuse-based internal protection. Remote sensing capability compensates for voltage drop across output leads, maintaining DC regulation to better than 0.2% or 5 mA, whichever is greater. Tan, glass-filled flame-retardant nylon panels house five-way binding post connectors on the front and

a covered terminal block on the rear. Operating continuously from 0°C to +60°C, the LP-412A-FM accepts 105–132 VAC input (47–440 Hz, ratings based on 57–63 Hz) and weighs 7 lbs. Technical Specifications Output voltage: 0–40 V DC Output current: 0–1 A DC Line and load regulation: <0.2% or 5 mA (whichever is greater) AC input: 105–132 VAC, 47–440 Hz (rated at 57–63 Hz) Operating temperature: 0°C to +60°C (continuous) Storage temperature: –55°C to +85°C Overcurrent limiting: Adjustable electronic, up to 105% of rated current Net weight: 7 lbs; Shipping weight: 8 lbs Key Features Convection cooling - no blower or external heat sink required Coarse and fine voltage adjustment for precise control Dual metering: DC voltmeter and ammeter Remote sensing for lead-drop compensation Automatic CV/CC crossover operation RFI compliance per MIL-STD-826A High efficiency design Fused internal failure protection Typical Applications Laboratory testing, equipment debugging, circuit prototyping, and field service where precise, stable low-voltage DC sourcing is required. Compatibility & Integration Front-panel five-way binding posts and rear covered terminal block support diverse interconnect requirements. Remote sensing provisions enable compensation for extended power lead lengths.

Features & description

From manufacturer datasheet

Features

- 0-40 Vdc, 1.0 A catalog/Artisan row

LP412AFM Characteristics / Specifications

PARAMETER	VALUE
Model	LP-412A-FM
Manufacturer	Lambda Electronics (Veeco/Lambda; TDK-Lambda successor)
Instrument Type	Linear Laboratory DC Power Supply
Series	LP-400
Alias	LP-412A-FM; LP412AFM; LP 412A FM; Veeco LP-412A-FM
Voltage Range	0 to 40 Vdc
Current Rating	0 to 1.0 A
Package FM	metered laboratory chassis (voltmeter and ammeter)
Package A	A-suffix electrical/mechanical revision
Mode	CV/CC automatic crossover class Lambda LP lab
Voltage Controls	coarse and fine
Overload	electronic current limiting class Lambda LP
AC Input	105-132 Vac, 47-440 Hz class Lambda lab
Meters	analogVandlon FM
Connections	binding posts / barrier
Remote Program	Lambda lab resistor/voltage program class (200 ohm/V class on related LPD/LQ lines)
Ambient	0-60 C with derated current columns typical of Lambda lab
Form	bench laboratory
Status	legacy linear
Power Class	40 V x 1.0 A = 40 W class
Cooling	convection class LP chassis
Sense	remote sense terminals class LP lab
Family Dual Counterpart	LPD-422A / LQD-422 each channel 0-40 V, 1.0 A at 30 C
Related LP410 Class	lower-voltage LP-400 member; do not mix ratings

PARAMETER	VALUE
Ship Weight Listing	about 12 lb class (Artisan LP-412A-FM) Notes Verified 0-40 V / 1.0 A from Lambda/Artisan LP-412A-FM configuration rows. Regulation microvolt figures belong on the LP-400 manual; not invented here. Confirm FM meters andArevision on the unit.

LP412AFM Specifications

PARAMETER	VALUE
Applications	0-40 V 1 A linear lab DC; LP-400 family MRO; metered bench replacement of LP-412A-FM.
Key Features	- 0-40 Vdc, 1.0 A catalog/Artisan row
Technical Specifications	Model: LP-412A-FM

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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Remote Program	Lambda lab resistor/voltage program class (200 ohm/V class on related LPD/LQ lines)
Ambient	0-60 C with derated current columns typical of Lambda lab
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Specifications

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Power Class	40 V x 1.0 A = 40 W class
Cooling	convection class LP chassis

Specifications

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Sense	remote sense terminals class LP lab
Family Dual Counterpart	LPD-422A / LQD-422 each channel 0-40 V, 1.0 A at 30 C
Related LP410 Class	lower-voltage LP-400 member; do not mix ratings

Ship Weight Listing: about 12 lb class (Artisan LP-412A-FM)

Notes

Verified 0-40 V / 1.0 A from Lambda/Artisan LP-412A-FM configuration rows. Regulation microvolt figures belong on the LP-400 manual; not invented here. Confirm FM meters andArevision 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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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.