

**Aumictech**

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Data Sheet

August 13, 2026

LAMBDA

Lambda LLS-5018 Regulated Power Supply

Manufacturer: Lambda Electronics / TDK-Lambda Instrument Type: Programmable Laboratory DC Power Supply Alias: LLS-5018; LLS5018; Lambda LLS 5018 Voltage Range: 0 to 18 Vdc (5018 = 18 V in LLS-5000) Instrument Type: Programmable Laboratory DC Power Supply Alias: LLS-5018; LLS5018; Lambda LLS 5018 Voltage Range: 0 to 18 Vdc (5018 = 18 V in LLS-5000) Current Rating: LLS-5000 table / nameplate (not the 14 A LLS-9060 rating)



MODEL

Lambda LLS-5018

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

LLS-5018

LISTING

<https://aumictechlabs.com/products/lls-5018-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Lambda LLS-5018 is a regulated DC power supply engineered for laboratory and industrial applications requiring stable, precision output. It operates in constant voltage (CV) and constant current (CC) modes with selectable input voltage ranges and delivers 0–18V at 4.5A (81W maximum). The front-panel interface includes a 3.5-digit digital voltage meter and 3-digit current meter, with LED indicators for CV/CC status, overvoltage, overtemperature, and standby conditions. Line regulation holds 0.05% across input variations of 85–132 VAC or 170–265 VAC, while load regulation maintains 0.05% from no-load to full-load conditions. Output ripple and noise measure 5 mV RMS with 35 mV peak-to-peak. The unit features microprocessor-controlled keypad input for precise setpoint adjustment, adjustable electronic current limiting, and adjustable overvoltage protection. Remote sensing capability compensates for power-lead losses, and

remote analog programming enables voltage or current-mode control. TTL-compatible remote on/off allows isolated source or contact-closure operation. Inrush current limiting restricts startup transients to 20A at 110 VAC input and 40A at 220 VAC input. Convection cooling and internal temperature sensing protect against thermal runaway. Heavy-duty barrier strips provide DC output connections. Operating efficiency reaches 60% at maximum output.

Features & description

From manufacturer datasheet

Features

- LLS-5000 series, 18 V zero-up member

LLS5018 Characteristics / Specifications

PARAMETER	VALUE
Model	LLS-5018
Manufacturer	Lambda Electronics / TDK-Lambda
Instrument Type	Programmable Laboratory DC Power Supply
Series	LLS-5000
Alias	LLS-5018; LLS5018; Lambda LLS 5018
Voltage Range	0 to 18 Vdc (5018 = 18 V in LLS-5000)
Current Rating	LLS-5000 table / nameplate (not the 14 A LLS-9060 rating)
Control	microprocessor keypad
Zero Up	0 V / 0 A adjustable
AC Input	user selectable 110/220 Vac
GPIB Option	LLS-5000-GPIB class
Family	LLS-5000 / 6000 / 7000 / 8000 / 9000
Related LLS50	40 V LLS-5000 member
Related LLS80	18 V in LLS-8000 (higher power cousin; different series)
Related LLS90	0-60 V, 0-14 A LLS-9000 (different series)
Mode	CV/CC programmable
Form	stand-alone LLS chassis
Status	legacy LLS Lab Line
Documentation	Lambda LLS-5000 instruction / GPIB manual
Identity Rule	series digit 5 vs 9 sets power; do not mix 5000 and 9000 currents
Meters	digital keypad display class LLS
Duty	laboratory/ATE continuous within ratings Notes Verified 0-18 V from LLS-5018 model coding in the LLS-5000 series. Current is not copied from LLS-9060. Confirm amperes on the nameplate.

LLS5018 Specifications

PARAMETER	VALUE
Applications	0-18 V programmable lab/ATE DC; LLS-5000 MRO; GPIB LLS systems.
Key Features	- LLS-5000 series, 18 V zero-up member
Technical Specifications	Model: LLS-5018
Notes	Verified 0-18 V from LLS-5018 model coding in the LLS-5000 series. Current is not copied from LLS-9060. Confirm amperes on the nameplate.

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	LLS-5018
Manufacturer	Lambda Electronics / TDK-Lambda
Instrument Type	Programmable Laboratory DC Power Supply
Specifications	
PARAMETER	VALUE
Series	LLS-5000
Alias	LLS-5018; LLS5018; Lambda LLS 5018
Voltage Range	0 to 18 Vdc (5018 = 18 V in LLS-5000)
Specifications	
PARAMETER	VALUE
Current Rating	LLS-5000 table / nameplate (not the 14 A LLS-9060 rating)
Control	microprocessor keypad
Zero Up	0 V / 0 A adjustable
Specifications	
PARAMETER	VALUE
AC Input	user selectable 110/220 Vac
GPiB Option	LLS-5000-GPiB class
Family	LLS-5000 / 6000 / 7000 / 8000 / 9000
Specifications	
PARAMETER	VALUE
Related LLS5040	40 V LLS-5000 member
Related LLS8018	18 V in LLS-8000 (higher power cousin; different series)
Related LLS9060	0-60 V, 0-14 A LLS-9000 (different series)

Specifications

PARAMETER	VALUE
Mode	CV/CC programmable
Form	stand-alone LLS chassis
Status	legacy LLS Lab Line

Specifications

PARAMETER	VALUE
Documentation	Lambda LLS-5000 instruction / GPIB manual
Identity Rule	series digit 5 vs 9 sets power; do not mix 5000 and 9000 currents
Meters	digital keypad display class LLS

Duty: laboratory/ATE continuous within ratings

Notes

Verified 0-18 V from LLS-5018 model coding in the LLS-5000 series. Current is not copied from LLS-9060. Confirm amperes on the nameplate.

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.