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Data Sheet

August 13, 2026

KEPCO

Kepco CK8-5

Key Features - Current-stabilizer CK group (notaJQE voltage-only remote) - 0.01 percent regulation class - +6.2 V zener available on the barrier strip for cancellation current - MeteredMversion in the historic catalog - Same group as CK 2-8, CK 18-3, CK 36-1.5, CK 40-0.8, CK 60-0.5 Technical Specifications Model: CK 8-5 Manufacturer: Kepco Inc Instrument Type: Linear current stabilizer DC power supply Series: CK Alias: CK 8-5; CK8-5; CK 8-5M; CK8-5M Rated Output Voltage: 0 to 8 V Rated Output Current: 0 to 5 A Regulation Class: 0.01 percent Metering: analog meters (M suffix catalog listing) Output Impedance DC to 100 Hz: 0.16 milliohm Output Impedance 100 Hz to 1 kHz: 0.01 ohm Output Impedance 1 kHz to 100 kHz: 0.05 ohm plus 0.5 uH class Line Current At 125 VAC: 1.2 A Reference Zener: plus 6.



MODEL

Kepco CK8-5

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

CK8-5

LISTING

<https://aumictechlabs.com/products/ck8-5-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Kepco CK8-5 is a single-output regulated DC power supply engineered for laboratory, industrial, and research applications requiring stable, adjustable voltage and current sources. Built for demanding test and control environments, this benchtop instrument delivers precise output regulation across a range of electronic testing scenarios. Technical Specifications Voltage and current outputs are independently adjustable. Voltage regulation maintains $\pm(0.1\%$ of rated + 2 digits) stability, while current regulation holds $\pm(0.2\%$ of rated + 2 digits). Temperature coefficient performance is specified at 100 ppm/ $^{\circ}\text{C}$ of rated output. The supply integrates overvoltage

protection (OVP) and overcurrent protection (OCP) with external control capabilities for protection limits. Constant current priority output mode eliminates overshoot during capacitive load or diode testing. Key Features Independently adjustable voltage and current outputs Voltage and current regulation with high accuracy Remote sensing capability to compensate for wiring voltage drops Overvoltage and overcurrent protection with external control Constant current priority mode for capacitive load testing Front panel controls for output adjustment and on/off switching Analog and digital control options Remote voltage control via resistance (potentiometer) External analog port for protection limit programming Typical Applications The CK8-5 serves laboratory power sourcing, industrial equipment testing, research circuit validation, and precision control applications. Its regulation characteristics and protection features make it suitable for component characterization, device testing, and system integration work where stable, adjustable DC power is critical. Compatibility & Integration The supply supports analog control interfaces and remote voltage programming through external resistance inputs. Protection limits respond to external analog references. Front panel controls provide direct operator access to voltage and current settings with output enable/disable capability.

Features & description

From manufacturer datasheet

Features

- Current-stabilizer CK group (notaJQE voltage-only remote) • 0.01 percent regulation class • +6.2 V zener available on the barrier strip for cancellation current • MeteredMversion in the historic catalog • Same group as CK 2-8, CK 18-3, CK 36-1.5, CK 40-0.8, CK 60-0.5

CK8 Characteristics / Specifications

PARAMETER	VALUE
Model	CK 8-5
Manufacturer	Kepco Inc
Instrument Type	Linear current stabilizer DC power supply
Series	CK
Alias	CK 8-5; CK8-5; CK 8-5M; CK8-5M
Rated Output Voltage	0 to 8 V
Rated Output Current	0 to 5 A
Regulation Class	0.01 percent
Metering	analog meters (M suffix catalog listing)
Output Impedance DC to 100 Hz	0.16 milliohm
Output Impedance 100 Hz to 1 kHz	0.01 ohm
Output Impedance 1 kHz to 100 kHz	0.05 ohm plus 0.5 uH class
Line Current At 125 VAC	1.2 A
Reference Zener	plus 6.2 V at terminal 2
Null Junction	terminal 12
Cancellation Example	1 megohm from terminal 2 to terminal 12 yields 6.2 uA
Related CK 2 V	CK 2-8M, 0 to 2 V, 0 to 8 A
Related CK 18 V	CK 18-3M, 0 to 18 V, 0 to 3 A
Related CK 36 V	CK 36-1.5M, 0 to 36 V, 0 to 1.5 A
Related CK 40 V	CK 40-0.8M, 0 to 40 V, 0 to 0.8 A
Related CK 60 V	CK 60-0.5M, 0 to 60 V, 0 to 0.5 A
Group Catalog Pages	CK GROUP historic catalog pages 18 to 19
Stabilizer Mode	current regulated CK group with voltage/current crossover class
Package	CK group modular/bench catalog family
Line Input Class	125 VAC table column (catalog input amps)

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	CK 8-5
Manufacturer	Kepeco Inc
Instrument Type	Linear current stabilizer DC power supply
Series	CK
Alias	CK 8-5; CK8-5; CK 8-5M; CK8-5M
Rated Output Voltage	0 to 8 V
Rated Output Current	0 to 5 A
Regulation Class	0.01 percent
Metering	analog meters (M suffix catalog listing)
Output Impedance DC to 100 Hz	0.16 milliohm
Output Impedance 100 Hz to 1 kHz	0.01 ohm
Output Impedance 1 kHz to 100 kHz	0.05 ohm plus 0.5 uH class
Line Current At 125 VAC	1.2 A
Reference Zener	plus 6.2 V at terminal 2
Null Junction	terminal 12
Cancellation Example	1 megohm from terminal 2 to terminal 12 yields 6.2 uA
Related CK 2 V	CK 2-8M, 0 to 2 V, 0 to 8 A
Related CK 18 V	CK 18-3M, 0 to 18 V, 0 to 3 A
Related CK 36 V	CK 36-1.5M, 0 to 36 V, 0 to 1.5 A
Related CK 40 V	CK 40-0.8M, 0 to 40 V, 0 to 0.8 A
Related CK 60 V	CK 60-0.5M, 0 to 60 V, 0 to 0.5 A
Group Catalog Pages	CK GROUP historic catalog pages 18 to 19
Stabilizer Mode	current regulated CK group with voltage/current crossover class
Package	CK group modular/bench catalog family
Line Input Class	125 VAC table column (catalog input amps)

Notes

Specs from Kepco power-supplies catalog CK GROUP table (CK 8-5M: 0 to 8 V, 0 to 5 A, 0.01 percent regulation, 0.16 milliohm DC to 100 cps, 1.2 A input at 125 VAC) and CK/KS zener-cancellation note (+6.2 V at terminal 2). Confirm metering suffix and exact current-limit corner on the faceplate. Do not confuse with unrelated CK-named products from other manufacturers.

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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NIST-traceable calibration · SAM registered ·
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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.