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Data Sheet

August 13, 2026

KEPCO

Kepco JQE150-3.5M

The Kepco JQE150-3.5M is a single-output, DC power supply offering a voltage rating of 0-150V and a current rating of 0-3.5A. It features adjustable voltage and current limits, along with remote programming capabilities. Ideal for laboratory and industrial applications requiring precise and stable power.



MODEL

Kepco JQE150-3.5M

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

JQE150-3.5M

LISTING

<https://aumictechlabs.com/products/jqe150-3-5m-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Kepco JQE150-3.5M is a precision-regulated linear DC power supply engineered for laboratory and industrial applications requiring stable, low-noise output. Built around a series-pass stabilizer topology, this half-rack unit delivers 0–150 V and 0–3.5 A with exceptional load and line regulation. The front panel houses a 10-turn precision voltage control for fine adjustment resolution, paired with multi-turn current limit control. Optional digital meters (DM suffix) provide real-time voltage and current readout with $\pm 1\%$ and $\pm 1.5\%$ accuracy respectively. Output ripple and noise measure less than 3 mV RMS typical, making this supply ideal for sensitive analog circuits and precision measurement setups. The unit supports remote analog programming via external voltage or resistance inputs, enabling integration into automated test systems. All models carry CE marking (LVD, EMC, RoHS 2) and UL recognition in applicable configurations. Technical Specifications Output Voltage: 0–150 V adjustable Output Current: 0–3.5 A adjustable Maximum

Power: 500 W Voltage Regulation: Load $\pm 0.01\%$, Line $\pm 0.01\%$ of rated voltage Current Regulation: Load $\pm 0.02\%$, Line $\pm 0.02\%$ of rated current Ripple & Noise: < 3 mV RMS (typical) Output Impedance: $2.2\text{ m}\Omega$ (voltage mode), $2\text{ }\mu\text{H}$ (current mode) Output Isolation: 500 V DC/peak to ground Leakage Current: $< 5\text{ }\mu\text{A}$ DC, $< 50\text{ }\mu\text{A}$ AC AC Input: Selectable 105–125 V AC or 210–250 V AC, 47–65 Hz Key Features Linear series-pass regulation for ultra-low noise operation 10-turn precision rheostat for voltage control resolution Optional digital meters with $\pm 1\%$ voltage and $\pm 1.5\%$ current accuracy Remote programming: voltage via $1000\text{ }\Omega/\text{V}$ or 0–1 mA; current limit via 0–1 V external source Digital listen-only control via SN-series interfaces Half-rack configuration for space-efficient system integration CE and UL compliance Typical Applications Precision analog circuit characterization Sensitive laboratory instrumentation Accelerated life testing Component qualification and burn-in Compatibility & Integration Remote programming accepts standard 0–1 V control signals and $1\text{ k}\Omega$ potentiometer inputs. Barrier strip rear panel terminals simplify integration into larger test frameworks. Listen-only digital control via SN-series interfaces enables non-invasive monitoring.

JQE15035M Characteristics / Specifications

PARAMETER	VALUE
Model	JQE 150-3.5M
Manufacturer	Kepco Inc
Instrument Type	Linear programmable DC power supply
Series	JQE
Alias	JQE 150-3.5M; JQE150-3.5M; JQE 150-3.5
Rated Output Voltage	0 to 150 Vdc
Rated Output Current	0 to 3.5 A
Rated Power Class	525 W
Package	half rack JQE 500 W class
Voltage Mode Series R	2.2 mohm
Voltage Mode Series L	2 uH
Current Mode Shunt R	140 kohm
Current Mode Shunt C	440 uF
Max Input Current	8.7 A at 125 Vac
Topology	series pass transistor voltage stabilizer with current limiting
AC Voltage	105 to 125 or 210 to 250 Vac user selectable
AC Frequency	47 to 65 Hz
Source Effect Voltage	less than 0.0005 percent
Load Effect Voltage	less than 0.005 percent
Ripple RMS	less than 0.2 mV
Ripple PP	less than 1.0 mV
Isolation	500 Vdc or peak output to ground
Leakage RMS	less than 5 uA rms at 115 Vac
Local Voltage Control	10 turn precision rheostat
Remote Analog Voltage	1000 ohm per volt or 0 to 1 mA

PARAMETER	VALUE
Meter Analog	3 percent of full scale (M suffix)
Operating Temperature Current	0 to 71 C at 0 to 100 percent of rating
Weight Packed Class	49 lb half rack 500 W
Related Full Rack	JQE 150-7M 0 to 7 A
Related Lower Current	JQE 150-1.5M 0 to 1.5 A Notes
Operating temperature	Current: 0 to 71 C at 0 to 100 percent of rating

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Current: 0 to 71 C at 0 to 100 percent of rating
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Related Full Rack	JQE 150-7M 0 to 7 A
Related Lower Current	JQE 150-1.5M 0 to 1.5 A 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	
Specifications	
PARAMETER	VALUE
Model	JQE 150-3.5M
Manufacturer	Kepeco Inc
Instrument Type	Linear programmable DC power supply
Specifications	
PARAMETER	VALUE
Series	JQE
Alias	JQE 150-3.5M; JQE150-3.5M; JQE 150-3.5
Rated Output Voltage	0 to 150 Vdc
Specifications	
PARAMETER	VALUE
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Voltage Mode Series R	2.2 mohm
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Current Mode Shunt R	140 kohm
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PARAMETER	VALUE
Current Mode Shunt C	440 uF
Max Input Current	8.7 A at 125 Vac
Topology	series pass transistor voltage stabilizer with current limiting

Specifications

PARAMETER	VALUE
AC Voltage	105 to 125 or 210 to 250 Vac user selectable
AC Frequency	47 to 65 Hz
Source Effect Voltage	less than 0.0005 percent

Specifications

PARAMETER	VALUE
Load Effect Voltage	less than 0.005 percent
Ripple RMS	less than 0.2 mV
Ripple PP	less than 1.0 mV

Specifications

PARAMETER	VALUE
Isolation	500 Vdc or peak output to ground
Leakage RMS	less than 5 uA rms at 115 Vac
Local Voltage Control	10 turn precision rheostat

Specifications

PARAMETER	VALUE
Remote Analog Voltage	1000 ohm per volt or 0 to 1 mA
Meter Analog	3 percent of full scale (M suffix)
Operating Temperature Current	0 to 71 C at 0 to 100 percent of rating

Specifications

PARAMETER	VALUE
Weight Packed Class	49 lb half rack 500 W
Related Full Rack	JQE 150-7M 0 to 7 A
Related Lower Current	JQE 150-1.5M 0 to 1.5 A

Notes

Specs from Kepco JQE half-rack table (JQE 150-3.5M: 0-150 V, 0-3.5 A, 2.2 mohm, 2 uH, 140 kohm, 440 uF, 8.7 A in). ConfirmMversus DM meters.

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.