

**Aumictech**

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Data Sheet

August 13, 2026

KEPCO

Kepco MSK 40-2.5M

The Kepco MSK 40-2.5M is a single-output DC power supply, part of the MSK series, known for its compact size and efficient performance. It delivers a stable 40V DC output at a current of 2.5A. Designed for a variety of applications, it provides reliable power in a small form factor.



MODEL

Kepco MSK 40-2.5M

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

MSK 40-2.5M

LISTING

<https://aumictechlabs.com/products/msk-40-2-5m-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Kepco MSK 40-2.5M is a 100-watt single-output DC power supply engineered for laboratory and maintenance testing applications requiring precise voltage and current regulation. The unit delivers 0–40V DC at 0–2.5A DC with exceptionally tight load and source regulation, making it suitable for demanding bench-level work. It employs a high-gain linear series-pass stabilizer circuit with automatic crossover between voltage and current modes, coupled with integrated overvoltage protection via SCR latching circuit. The Preview switch enables offline presetting of output parameters on digital meters before load connection - a critical safety feature for test setup workflows. Technical Specifications Output: 100W (0–40V DC, 0–2.5A DC) Input: Selectable 105–125V AC or 210–250V AC Load Regulation (Voltage Mode): 0.01% Load Regulation (Current Mode): 0.05% Source Regulation: 0.01% (voltage and current modes) 8-Hour Drift: 0.01% (voltage mode), 0.02% (current mode) Temperature Coefficient: 0.01%/°C (voltage mode), 0.02%/°C (current mode) Output Ripple & Noise: 0.5mV RMS / 3.0mV peak-to-peak (voltage mode); 0.02%

RMS / 0.1% peak-to-peak (current mode) Crowbar Protection: SCR latching circuit; transient response 2.5ms or greater Remote Sensing: Available via +S and –S binding posts for voltage error compensation Key Features Ten-turn voltage and current controls for fine-resolution adjustment Preview switch for offline parameter configuration Heavy-duty front-panel binding posts (wire or banana-plug compatible) Built-in low-speed fan cooling MIL-STD-461 EMC compliant Remote programming via variable resistance input Digital display readouts for voltage and current settings Typical Applications Component characterization and burn-in testing Equipment maintenance and troubleshooting Bench laboratory power delivery Compatibility & Integration Input mains voltage is factory-selectable and reconfigurable by trained service personnel. Remote sensing and programming terminals enable external load-voltage compensation and automated test sequences.

Features & description

From manufacturer datasheet

Built-in OVP crowbar

LCD dual meters Quiet 1800 rpm blower Technical Specifications Model: MSK 40-2.5M Manufacturer: Kepco Inc Instrument Type: Linear bench DC power supply CV CC Series: MSK Alias: MSK 40-2.5M; MSK40-2.5M; MSK 40-2.5 Rated Output Voltage: 0 to 40 Vdc Rated Output Current: 0 to 2.5 A Rated Power: 0 to 100 W Stabilizer: automatic crossover voltage/current AC Voltage: 105 to 125 / 210 to 250 Vac user selectable rear switch Max Input Current: 2.8 A rms at 115 Vac full load AC Frequency: 47 to 63 Hz Error Sense: 0.5 V per load wire Voltage Recovery: 50 us typical, 100 us max (10 to 100 percent Io) Isolation: 500 Vdc or peak output to ground Leakage RMS: less than 5 uA rms at 115 Vac Leakage PP: less than 50 uA p-p at 115 Vac OVP: SCR crowbar, 5 ms transient, tracks output Voltage Control: 10 turn precision rheostat Current Control: 10 turn precision rheostat Remote Program: resistance programming of voltage and current Meters: two 3.5 inch LCD, plus/minus 1 digit V, plus/minus 1 percent Io plus/minus 1 digitI Cooling: 1800 rpm low noise blower Dimensions: 5.75 by 8.125 by 13.156 inch (146 by 206 by 334 mm) Weight Packed: 19 lb (8.6 kg) Input Connector: IEC detachable line cord Output Connector: front binding posts plus rear barrier

MSK4025M Characteristics / Specifications

PARAMETER	VALUE
Model	MSK 40-2.5M
Manufacturer	Kepeco Inc
Instrument Type	Linear bench DC power supply CV CC
Series	MSK
Alias	MSK 40-2.5M; MSK40-2.5M; MSK 40-2.5
Rated Output Voltage	0 to 40 Vdc
Rated Output Current	0 to 2.5 A
Rated Power	0 to 100 W
Stabilizer	automatic crossover voltage/current
AC Voltage	105 to 125 / 210 to 250 Vac user selectable rear switch
Max Input Current	2.8 A rms at 115 Vac full load
AC Frequency	47 to 63 Hz
Error Sense	0.5 V per load wire
Voltage Recovery	50 us typical, 100 us max (10 to 100 percent Io)
Isolation	500 Vdc or peak output to ground
Leakage RMS	less than 5 uA rms at 115 Vac
Leakage PP	less than 50 uA p-p at 115 Vac
OVP	SCR crowbar, 5 ms transient, tracks output
Voltage Control	10 turn precision rheostat
Current Control	10 turn precision rheostat
Remote Program	resistance programming of voltage and current
Meters	two 3.5 inch LCD, plus/minus 1 digit V, plus/minus 1 percent Io plus/minus 1 digitI Cooling: 1800 rpm low noise blower
Dimensions	5.75 by 8.125 by 13.156 inch (146 by 206 by 334 mm)
Weight Packed	19 lb (8.6 kg)
Input Connector	IEC detachable line cord

PARAMETER	VALUE
Output Connector	front binding posts plus rear barrier
Operating Temperature	0 to plus 45 C at 0 to 100 percent rating
Related MSK	MSK 10-10M 0 to 10 V 0 to 10 A Notes Specs from Kepco MSK series model table and MSK general specifications (MSK 40-2.5M: 0-40 V, 0-2.5 A, 100 W). Confirm 115 versus 230 Vac rear switch.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 to plus 45 C at 0 to 100 percent rating
Operating Temperature	0 to plus 45 C at 0 to 100 percent rating
Related MSK	MSK 10-10M 0 to 10 V 0 to 10 A Notes Specs from Kepco MSK series model table and MSK general specifications (MSK 40-2.5M: 0-40 V, 0-2.5 A, 100 W). Confirm 115 versus 230 Vac rear switch.

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	MSK 40-2.5M
Manufacturer	Kepco Inc
Instrument Type	Linear bench DC power supply CV CC
Specifications	
PARAMETER	VALUE
Series	MSK
Alias	MSK 40-2.5M; MSK40-2.5M; MSK 40-2.5
Rated Output Voltage	0 to 40 Vdc
Specifications	
PARAMETER	VALUE
Rated Output Current	0 to 2.5 A
Rated Power	0 to 100 W
Stabilizer	automatic crossover voltage/current
Specifications	
PARAMETER	VALUE
AC Voltage	105 to 125 / 210 to 250 Vac user selectable rear switch
Max Input Current	2.8 A rms at 115 Vac full load
AC Frequency	47 to 63 Hz
Specifications	
PARAMETER	VALUE
Error Sense	0.5 V per load wire
Voltage Recovery	50 us typical, 100 us max (10 to 100 percent Io)
Isolation	500 Vdc or peak output to ground

Specifications

PARAMETER	VALUE
Leakage RMS	less than 5 uA rms at 115 Vac
Leakage PP	less than 50 uA p-p at 115 Vac
OVP	SCR crowbar, 5 ms transient, tracks output

Specifications

PARAMETER	VALUE
Voltage Control	10 turn precision rheostat
Current Control	10 turn precision rheostat
Remote Program	resistance programming of voltage and current

Specifications

PARAMETER	VALUE
Meters	two 3.5 inch LCD, plus/minus 1 digit V, plus/minus 1 percent Io plus/minus 1 digitI Cooling: 1800 rpm low noise blower
Dimensions	5.75 by 8.125 by 13.156 inch (146 by 206 by 334 mm)
Weight Packed	19 lb (8.6 kg)

Specifications

PARAMETER	VALUE
Input Connector	IEC detachable line cord
Output Connector	front binding posts plus rear barrier
Operating Temperature	0 to plus 45 C at 0 to 100 percent rating

Related MSK 20: MSK 20-5M 0 to 20 V 0 to 5 A

Related MSK 10: MSK 10-10M 0 to 10 V 0 to 10 A

Notes

Specs from Kepco MSK series model table and MSK general specifications (MSK 40-2.5M: 0-40 V, 0-2.5 A, 100 W). Confirm 115 versus 230 Vac rear switch.

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.