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Data Sheet

August 13, 2026

KEPCO

Kepco msk10-10M

The Kepco MSK10-10M is a 100-watt single-output DC power supply engineered for benchtop laboratory and testing applications demanding stable, low-noise power delivery. Built around a high-gain linear series-pass stabilizer circuit, it delivers exceptional output stability with automatic crossover between voltage and current regulation modes. The unit combines precision analog control with safety-first design, including offline voltage and current pre-setting via the Preview switch - allowing safe parameter configuration before energizing the load. Voltage Output: 0-10 VDC Current Output: 0-10 ADC Input Supply: Configurable 115 VAC or 230 VAC via rear-panel switch Regulation Performance: Temperature coefficient - voltage mode: 0.01% per °C; current mode: 0.02% per °C Output Noise & Ripple: Preview switch enables safe offline pre-setting of both voltage and current limits



MODEL

Kepco MSK10-10M

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

MSK10-10M

LISTING

<https://aumictechlabs.com/products/msk10-10m-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Kepco MSK10-10M is a 100-watt single-output DC power supply engineered for benchtop laboratory and testing applications demanding stable, low-noise power delivery. Built around a high-gain linear series-pass stabilizer circuit, it delivers exceptional output stability with automatic crossover between voltage and current regulation modes. The unit combines precision analog control with safety-first design, including offline voltage and current pre-setting via the Preview

switch - allowing safe parameter configuration before energizing the load. Technical Specifications Output Power: 100 W Voltage Output: 0–10 VDC Current Output: 0–10 ADC Input Supply: Configurable 115 VAC or 230 VAC via rear-panel switch Regulation Performance: Line regulation: 0.01% Load regulation (voltage mode): 0.01% Load regulation (current mode): 0.05% Drift over 8 hours - voltage mode: 0.01%; current mode: 0.02% Temperature coefficient - voltage mode: 0.01% per °C; current mode: 0.02% per °C Output Noise & Ripple: Voltage mode: 0.5 mV RMS, 3.0 mV peak-to-peak Current mode: 0.02% RMS, 0.1% peak-to-peak Key Features 10-turn voltage and current potentiometers for high-resolution manual adjustment Remote programming capability via variable resistance input Preview switch enables safe offline pre-setting of both voltage and current limits Heavy-duty front-panel binding posts accept wires and banana plugs Selectable output terminal grounding (positive or negative) Quiet, low-speed internal cooling fan Class 1 safety design with protective earthing Compliant with EN 61010-1 and UL 3101 (Installation Category 2, Pollution Degree 2) MIL-STD-461 electromagnetic compatibility Typical Applications Benchtop device characterization, component testing, laboratory R&D, and precision power sourcing in controlled environments where low noise and stable regulation are critical. Compatibility & Integration Front-panel banana-plug and wire-post outputs interface with standard test leads and fixtures. Variable-resistance remote programming allows integration with external control systems. Class 1 grounding design supports both single-point and distributed earthing topologies.

MSK1010M Characteristics / Specifications

PARAMETER	VALUE
Model	MSK 10-10M
Manufacturer	Kepco Inc
Instrument Type	Linear bench DC power supply CV CC
Series	MSK
Alias	MSK 10-10M; MSK10-10M; MSK 10-10
Rated Output Voltage	0 to 10 Vdc
Rated Output Current	0 to 10 A
Rated Power	0 to 100 W
Stabilizer	automatic crossover voltage/current
AC Voltage	105 to 125 / 210 to 250 Vac user selectable
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
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, 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
Cooling	1800 rpm low noise blower
Dimensions	5.75 by 8.125 by 13.156 inch
Weight Packed	19 lb (8.6 kg)

PARAMETER	VALUE
Input Connector	IEC detachable line cord
Output Connector	front binding posts plus rear barrier
Operating Temperature	0 to plus 45 C at full rating
Related MSK	MSK 40-2.5M
Related MSK 1	MSK 125-1M 0 to 125 V 0 to 1 A Notes

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 to plus 45 C at full rating
Operating Temperature	0 to plus 45 C at full rating
Related MSK	MSK 40-2.5M
Related MSK 1	MSK 125-1M 0 to 125 V 0 to 1 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	
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Model	MSK 10-10M
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Specifications

PARAMETER	VALUE
Leakage RMS	less than 5 uA rms at 115 Vac
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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
Cooling	1800 rpm low noise blower
Dimensions	5.75 by 8.125 by 13.156 inch

Specifications

PARAMETER	VALUE
Weight Packed	19 lb (8.6 kg)
Input Connector	IEC detachable line cord
Output Connector	front binding posts plus rear barrier

Specifications

PARAMETER	VALUE
Operating Temperature	0 to plus 45 C at full rating
Related MSK 20	MSK 20-5M
Related MSK 40	MSK 40-2.5M

Related MSK 125: MSK 125-1M 0 to 125 V 0 to 1 A

Notes

Specs from Kepco MSK model table (MSK 10-10M: 0-10 V, 0-10 A, 100 W). Confirm rear AC switch and that this is 10 A versus MSK 20-5M 5 A.

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 ·
30-day returns
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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.