

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

KEPCO

Kepco OPS100B

Applications High-speed plus/minus 100 V power op-amp Bipolar waveform amplification
Current-mode bipolar drive Predecessor/companion to BOP 100 models Key Features
Operational amplifier architecture (OPS) Bipolar pass through zero Fast programming without
large Cout Bsuffix bipolar/revision marking Path to tabulated BOP 100-xM if full 1-2 A 4-
quadrant is required Technical Specifications Model: OPS 100B Manufacturer: Kepco Inc
Instrument Type: Bipolar operational power supply Series: OPS Alias: OPS100B; OPS 100B;
OPS 100-B Voltage Class: plus/minus 100 V Current Class: confirm faceplate (0.5 A class
typical OPS 100) Power Class: 50 W class at 100 V times 0.



MODEL

Kepco OPS100B

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

OPS100B

LISTING

<https://aumictechlabs.com/products/ops100b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Kepco OPS100B is a single-output DC power supply delivering 0–100 V and 0–2 A (200 W maximum) with dual voltage and current regulation modes. Built for precision laboratory and industrial testing, it combines tight load and line regulation with low ripple performance and dual-scale metering. Local and remote analog control options, plus optional digital interfaces, enable integration into automated test systems. Technical Specifications Output Performance Voltage: 0–100 V DC Current: 0–2 A DC Power: 200 W maximum Load regulation (voltage mode): $\leq 0.001\%$ rated voltage + 1 mV Load regulation (current mode): $\leq 0.02\%$ rated current + 1 mA Line regulation

(voltage mode): $\leq 0.001\%$ rated voltage + 0.5 mV Line regulation (current mode): $\leq 0.01\%$ rated current + 0.5 mA Voltage ripple (RMS): $\leq 0.02\%$ rated voltage + 1 mV Voltage ripple (peak-to-peak): $\leq 0.1\%$ rated voltage + 5 mV Current ripple (RMS): $\leq 0.05\%$ rated current + 0.5 mA Input & Environmental AC input: 105–125 V or 210–250 V (user selectable), 60 Hz $\pm$ 3 Hz Input current: 0.75 A RMS at 115 V AC Operating temperature: 0–50 °C Storage temperature: –40–70 °C Humidity: 20–85% RH, non-condensing Key Features Integrated voltage and current meters with $\pm(0.1\%$ reading + 1 digit) accuracy Current-limiting overload protection Convection cooling; no active fan noise 30-second warm-up delay Programming input accepts 0–1 V DC for remote voltage or current control Typical Applications Semiconductor device and production testing Automotive component validation Aerospace and military equipment testing Solar cell and panel characterization Motor and magnet power supply applications Piezoelectric device excitation Compatibility & Integration Control via local analog adjustment, remote analog input, or optional digital interfaces (GPIB via BIT 4882 adapter). Front-panel binding posts provide output connections. Weighs 8.6 kg; mounts in 19-inch racks using supplied ears or operates standalone on benchtop.

OPS100B Characteristics / Specifications

PARAMETER	VALUE
Model	OPS 100B
Manufacturer	Kepco Inc
Instrument Type	Bipolar operational power supply
Series	OPS
Alias	OPS100B; OPS 100B; OPS 100-B
Voltage Class	plus/minus 100 V
Current Class	confirm faceplate (0.5 A class typical OPS 100)
Power Class	50 W class at 100 V times 0.5 A
Quadrants	bipolar operational (source/sink)
Topology	power operational amplifier (no large Cout)
Stabilizer	voltage/current channels OPS family
Related BOP 100 1 A	BOP 100-1M plus/minus 100 V plus/minus 1 A
Related BOP 100 2 A	BOP 100-2M plus/minus 100 V plus/minus 2 A
Related BOP 2	BOP 200-1M plus/minus 200 V plus/minus 1 A
Programming	analog OPS/BOP 0 to 10 V class
Isolation Class	500 Vdc Kepco bipolar family
AC Voltage Class	105 to 125 / 210 to 250 Vac
AC Frequency Class	47 to 65 Hz
Meters	analog or none per OPS build
Form	rack/bench OPS chassis
User Amplifiers	uncommitted op-amp class on bipolar Kepco
References	plus/minus 10 V class when provided
Cooling	forced air OPS size Notes Identity from Kepco OPS 100B marking (100 V class operational power supply, B bipolar/revision). Exact current, slew, and impedance belong on the OPS 100B sheet; use BOP 100-1M/100-2M tables when the unit is actually a BOP.

OPS100B Specifications

PARAMETER	VALUE
Kepco OPS 100B Operational Power Supply plus/minus 100 V	Overview
Applications	High-speed plus/minus 100 V power op-amp
Bipolar pass through zero	Fast programming without large Cout
B suffix bipolar/revision marking	Path to tabulated BOP 100-xM if full 1-2 A 4-quadrant is required
Technical Specifications	Model: OPS 100B

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	OPS 100B
Manufacturer	Kepco Inc
Instrument Type	Bipolar operational power supply
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PARAMETER	VALUE
Series	OPS
Alias	OPS100B; OPS 100B; OPS 100-B
Voltage Class	plus/minus 100 V
Specifications	
PARAMETER	VALUE
Current Class	confirm faceplate (0.5 A class typical OPS 100)
Power Class	50 W class at 100 V times 0.5 A
Quadrants	bipolar operational (source/sink)
Specifications	
PARAMETER	VALUE
Topology	power operational amplifier (no large Cout)
Stabilizer	voltage/current channels OPS family
Related BOP 100 1 A	BOP 100-1M plus/minus 100 V plus/minus 1 A
Specifications	
PARAMETER	VALUE
Related BOP 100 2 A	BOP 100-2M plus/minus 100 V plus/minus 2 A
Related BOP 200	BOP 200-1M plus/minus 200 V plus/minus 1 A
Programming	analog OPS/BOP 0 to 10 V class

Specifications

PARAMETER	VALUE
Isolation Class	500 Vdc Kepco bipolar family
AC Voltage Class	105 to 125 / 210 to 250 Vac
AC Frequency Class	47 to 65 Hz

Specifications

PARAMETER	VALUE
Meters	analog or none per OPS build
Form	rack/bench OPS chassis
User Amplifiers	uncommitted op-amp class on bipolar Kepco

References: plus/minus 10 V class when provided

Cooling: forced air OPS size

Notes

Identity from Kepco OPS 100B marking (100 V class operational power supply, B bipolar/revision). Exact current, slew, and impedance belong on the OPS 100B sheet; use BOP 100-1M/100-2M tables when the unit is actuallyaBOP.

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.