

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

KIKUSUI

Kikusui PRC 500L

The Kikusui PRC 500L is a reliable DC power supply, ideal for a wide range of testing and powering applications. Delivers stable and precise output for consistent performance.



MODEL

Kikusui PRC 500L

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

PRC 500L

LISTING

<https://aumictechlabs.com/products/prc-500l-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Kikusui PRC 500L is a 500 VA AC power supply engineered for precision testing and device powering across variable voltage and frequency ranges. It delivers stable, regulated output with selectable voltage ranges (0–100 V @ 5 A or 0–200 V @ 2.5 A) and programmable frequency from 1 Hz to 999.9 Hz, making it suitable for power supply validation, device stress testing, and simulation of real-world power conditions. Input acceptance spans 85–132 VAC or 170–250 VAC $\pm 10\%$, accommodating worldwide mains standards. Technical Specifications Output Voltage: 0–100 V @ 5 A or 0–200 V @ 2.5 A (selectable); up to 310 Vrms maximum Output Frequency: 1 Hz to 999.9 Hz Rated Capacity: 500 VA Input Voltage: 85–132 VAC or 170–250 VAC $\pm 10\%$ Input Frequency: 47–63 Hz (compatible with 50/60 Hz mains) Standby Power Consumption: 25 VA maximum Output Regulation: $\pm 0.1\%$ for input voltage; ± 0.1 V to ± 0.2 V for output voltage (100 V / 200 V ranges); ± 0.3 Hz for frequency Dimensions: 224(W) $\times$ 113(H) $\times$ 373(D) mm Weight: Approximately 3.7 kg Cooling: Forced air Key Features AC, DC, or AC+DC output modes (AC+DC as factory option) Constant Voltage/Constant Frequency (CVCF) control Output impedance

adjustment (optional) Sequence function for time-varying voltage, frequency, and waveform profiles in automated test sequences Power simulation capabilities: instantaneous voltage drop, power failure events, and harmonic superposition Comprehensive measurement suite: RMS and peak voltage/current, power, power factor, and harmonic analysis up to the 39th component Overvoltage and overcurrent protection Peak output current up to 4× rated RMS under specified wave conditions Interfaces & Control USB 2.0 standard connectivity Optional GPIB, LAN, and RS-232C interfaces Remote controller option for extended command capability Typical Applications Power supply validation, EMC pre-compliance testing, device endurance studies under harmonic distortion, telecom equipment qualification, and industrial control system stress testing.

PRC500L Characteristics / Specifications

PARAMETER	VALUE
Model	PCR500L
Manufacturer	Kikusui Electronics
Instrument Type	Single phase AC and DC power source
Series	PCR-L
Alias	PCR 500L; PCR500L; PRC 500L (listing typo)
Listing Name	PRC 500L
AC Power Capacity	500 VA
AC Voltage Range	1 to 150 V / 2 to 300 V
AC Max Current	5 A / 2.5 A
AC Frequency	1 to 999.9 Hz
DC Voltage Range	1.4 to 212 V / 2.8 to 424 V
DC Max Current	2.5 A / 1.25 A
DC Power Capacity	250 VA class
Peak Current	4 times max RMS
Load Power Factor	0 to 1
Voltage Distortion	max 0.3 percent
Circuit Method	linear amplifier
Input Voltage	85 to 132 V / 170 to 250 V
Input Apparent Power	approx 1 kVA
Input Current	12 A / 6 A or less
Power Factor	typically 0.95
Input Frequency	47 Hz to 63 Hz single phase
Chassis Type	A
Successor	PCR500LA 500 VA PCR-LA
Compared PCR1000L	1 kVA, 10 A / 5 A, typeB Compared PCR2000L: 2 kVA, 20 A / 10 A, typeC Meters: RMS/peak/aveVand I; power; frequency

PARAMETER	VALUE
Remote	GPIB/RS-232 options on PCR-L
Line Impedance 100 V Range	0 to 4.0 ohm class (LA table; confirm on L)
Operating Temperature	0 to 40 C class PCR-L
Withstand Class	1.5 kV AC 1 minute family
Form	PCR-L TypeAcompact 500 VA source
Not PWC	PWC0620 isaDC triple supply
Not PAD	PAD is DC Notes

General Specifications & Supplementary Characteristics

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Operating temperature	0 to 40 C class PCR-L
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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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Notes

Specs from Kikusui PCR-L series table (PCR500L: 500 VA, 5 A/2.5 A, approx 1 kVA input). Catalog/listing PRC 500L is treated as PCR500L. Confirm PCR500L versus PCR500LA on the faceplate.

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

788 S 500 E, Pleasant Grove, UT 84062
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<https://aumictechlabs.com>

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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.