

**Aumictech**

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Data Sheet

August 13, 2026

KIKUSUI

Kikusui PCR2000L

Kikusui PCR2000L AC Power Source 2 kVA PCR-L Series The Kikusui PCR2000L isaPCR-L series single-phase linear-amplifier AC (and DC) power source, 2 kVA. AC output is 1 to 150 V / 2 to 300 V at 20 A / 10 A, 1 to 999.9 Hz. DC mode is 1.4 to 212 V / 2.8 to 424 V at 10 A / 5 A, 1 kVA class (1 kW). Peak current is four times RMS. Distortion max 0.3 percent. Input 85-132 V / 170-250 V, about 4 kVA, 48 A / 24 A or less, PF typically 0.95. Line impedance 0 to 1.0 ohm (100 V range). Linear amp type. Chassis typeCin the PCR-L outline. Do not confuse with PCR2000LA (PCR-LA successor) or PCR2000 without L. The Kikusui PCR2000L isaPCR-L series single-phase linear-amplifier AC (and DC) power source, 2 kVA. AC output is 1 to 150 V / 2 to 300 V at 20 A / 10 A, 1 to 999.9 Hz. DC mode is 1.4 to 212 V / 2.8 to 424 V at 10 A / 5 A, 1 kVA class (1 kW). Peak current is four times RMS. Distortion max 0.3 percent. Input 85-132 V / 170-250 V, about 4 kVA, 48 A / 24 A or less, PF typically 0.95. Line impedance 0 to 1.0 ohm (100 V range). Linear amp type. Chassis typeCin the PCR-L outline. Do not confuse with PCR2000LA (PCR-LA successor) or PCR2000 without L. 2 kVA mains simulation and product AC test



MODEL

Kikusui PCR2000L

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

PCR2000L

LISTING

<https://aumictechlabs.com/products/pcr2000l-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Kikusui PCR2000L is a 2000 VA single-phase AC power source engineered for precision power testing, development, and reliability evaluation. It delivers AC, AC+DC, and DC output modes across dual voltage ranges (0-100 V and 0-200 V) with 0.1 V resolution, supporting maximum AC output of 300 Vac and maximum DC output of 424 Vdc. The unit generates frequency outputs from 1 Hz to 1000 Hz at 0.01 Hz resolution (1.00–99.99 Hz) and 0.1 Hz resolution (100.0–999.9 Hz), accommodating loads with power factors from 0.8 to 1.0.

Technical Specifications
Rated Output Capacity: 2000 VA
Output Modes: AC, AC+DC, DC
Voltage Range (Low): 0–100 V
Voltage Range (High): 0–200 V
Maximum AC Voltage: 300 Vac
Maximum DC Voltage: 424 Vdc
Voltage Setting Resolution: 0.1 V
Peak Current (Low Range): 80 A
Peak Current (High Range): 40 A
Maximum AC Current: 48 A
Maximum Peak Current: Up to 3× rated RMS current for capacitor-input rectifier loads (1-second surge)
Frequency Range: 1 Hz to 1000 Hz
Frequency Resolution: 0.01 Hz (1.00–99.99 Hz); 0.1 Hz (100.0–999.9 Hz)
Selectable Input Voltage: 85–132 V (100 V system) or 170–250 V (200 V system)
Power Factor Range: 0.8 to 1.0 (current derating below 0.8 or specified voltage ranges)

Key Features
True RMS output voltage and current measurement
Peak voltage and current monitoring
Harmonics analysis up to 39th harmonic of output current
Apparent and effective power measurement
Power factor calculation
Overvoltage and overcurrent protection (OVP/OCP)
PWM inverter topology for compact, lightweight construction
Power line abnormality simulation: outages, voltage drops, surges, and peak clipping

Typical Applications
Ideally suited for electronic device reliability testing under varied environmental conditions, power supply validation, harmonic analysis in industrial environments, and equipment qualification under non-ideal grid conditions.

Compatibility & Integration
Optional GPIB, RS-232C interfaces; standard LAN and USB connectivity on select models. Optional analog interface board for AC+DC mode operation.

PCR2000L Characteristics / Specifications

PARAMETER	VALUE
Model	PCR2000L
Manufacturer	Kikusui Electronics
Instrument Type	Single phase AC and DC power source
Series	PCR-L
Alias	PCR 2000L; PCR2000L
AC Power Capacity	2 kVA
AC Voltage Range	1 to 150 V / 2 to 300 V
AC Max Current	20 A / 10 A
AC Frequency	1 to 999.9 Hz
DC Voltage Range	1.4 to 212 V / 2.8 to 424 V
DC Max Current	10 A / 5 A
DC Power Capacity	1 kVA 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 (100 V or 200 V range)
Input Apparent Power	approx 4 kVA
Input Current	48 A / 24 A or less
Power Factor	typically 0.95
Input Frequency	47 Hz to 63 Hz single phase
Line Impedance 100 V Range	0 to 1.0 ohm, 10 mohm resolution class PCR-L
Chassis Type	C
Compared PCR500L	500 VA, 5 A / 2.5 A, type A, approx 1 kVA input
Compared PCR1000L	1 kVA, 10 A / 5 A, type B, approx 2 kVA input

PARAMETER	VALUE
Compared PCR4000L	4 kVA, 40 A / 20 A, typeD Successor: PCR2000LA same 2 kVA / 20 A / 10 A class with PCR-LA UI
Meters	RMS, peak, ave voltmeter and ammeter; power and frequency
Frequency Resolution	0.01 Hz below 100 Hz class; 0.1 Hz to 999.9 Hz
Operating Temperature	0 to 40 C class PCR-L (PCR-LA is 0 to 50 C)
Withstand Class	1.5 kV AC 1 minute family
Remote	GPIB/RS-232 options on PCR-L (IB/RS kits)
Form	PCR-L TypeCfloor/bench AC source
Output Switching	output can be switched on and off while maintaining waveform
Not PCR2000LA	LA is the later color-VFD family Notes

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 to 40 C class PCR-L (PCR-LA is 0 to 50 C)
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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	
Specifications	
PARAMETER	VALUE
Model	PCR2000L
Manufacturer	Kikusui Electronics
Instrument Type	Single phase AC and DC power source

Specifications	
PARAMETER	VALUE
Series	PCR-L
Alias	PCR 2000L; PCR2000L
AC Power Capacity	2 kVA

Specifications	
PARAMETER	VALUE
AC Voltage Range	1 to 150 V / 2 to 300 V
AC Max Current	20 A / 10 A
AC Frequency	1 to 999.9 Hz

Specifications	
PARAMETER	VALUE
DC Voltage Range	1.4 to 212 V / 2.8 to 424 V
DC Max Current	10 A / 5 A
DC Power Capacity	1 kVA class

Specifications	
PARAMETER	VALUE
Peak Current	4 times max RMS
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Voltage Distortion	max 0.3 percent

Specifications

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Circuit Method	linear amplifier
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Compared PCR1000L	1 kVA, 10 A / 5 A, type B, approx 2 kVA input
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Frequency Resolution	0.01 Hz below 100 Hz class; 0.1 Hz to 999.9 Hz
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Remote	GPIB/RS-232 options on PCR-L (IB/RS kits)
Form	PCR-L TypeCfloor/bench AC source
Output Switching	output can be switched on and off while maintaining waveform

Not PCR2000LA: LA is the later color-VFD family

Notes

Specs from Kikusui PCR-L series table (PCR2000L: 2 kVA, 20 A/10 A, approx 4 kVA input, 48 A/24 A).
ConfirmL versus LA faceplate and 100/200 V range 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 ·
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.