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Data Sheet
August 13, 2026

KIKUSUI

Kikusui PCR1000LA

The Kikusui PCR1000LA isaPCR-LA series single-phase linear-amplifier AC (and DC) power source, 1 kVA. AC output is 1 to 150 V / 2 to 300 V at 10 A / 5 A, 1 Hz to 999.9 Hz. DC mode is 1.4 to 212 V / 2.8 to 424 V at 5 A / 2.5 A, 500 W. Peak current is four times RMS. Distortion 0.3 percent or less. Input 85-132 V / 170-250 V, about 2 kVA, 24 A / 12 A or less. Line impedance 0 to 2.0 ohm (100 V range). RS-232C and optional remote controller. Color VFD. Rack KRB400 / KRB8. Inspection, calibration, and production AC Input Voltage: 85 to 132 V / 170 to 250 V selectable Line Impedance 100 V Range: 0 to 2.0 ohm, 20 mohm resolution Remote: RS-232C; optional RC03-PCR-LA / RC04-PCR-LA Parallel Pair: two PCR1000LA plus 2P03-PCR-LA for 2 kVA

MODEL **Kikusui PCR1000LA**	CALIBRATION **Available on request**
CONDITION **Used**	STATUS **In stock**
RFQ / SKU **PCR1000LA**	LISTING **https://aumictechlabs.com/products/pcr1000la-2/**

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Kikusui PCR1000LA is a 1 kVA AC power source designed for demanding laboratory and industrial testing applications. It delivers stable, regulated power across AC, DC, and combined AC+DC modes, supporting flexible test scenarios including ATE, EMI testing, power supply environment validation, and harmonic current analysis. The unit features dual output ranges (100V/200V) with independent upper and lower limit settings for enhanced safety control. Built-in measurement functions capture voltage, current, apparent power, effective power, power factor,

and harmonic content in real time. Technical Specifications Output Power: 1 kVA Output Voltage: AC Mode: 1.0–150 VAC (100V range), 2.0–300 VAC (200V range) DC Mode: 1.4–212 VDC (100V range), 2.8–424 VDC (200V range) Maximum: 310 Vrms Amplification rate: 100 ±10% (100V range), 200 ±10% (200V range); permissible range ±20% Output Current: AC Mode: 10 A rms maximum Peak Current: 40 A (100V range), 20 A (200V range) Peak capability to 3× rated rms current for capacitor-input rectifier loads Output Frequency: 1.00–999.9 Hz Harmonic Distortion: ≤10% THD at output voltage 80–150 VAC (100V range) or 160–300 VAC (200V range) with unity load power factor Input Power: ~1 kVA apparent; input current 12 A/6 A maximum Power Factor Correction: 0.95 typical, reducing input current waveform distortion Key Features Selectable 100 V or 200 V output ranges with independent limit configuration Synchronous output frequency and phase locking to 50/60 Hz line source Dual output modes (AC, DC) plus optional combined AC+DC capability Low harmonic distortion output maintains signal integrity across test loads Worldwide nominal voltage compatibility (AC 100–240 V input) Optional peak-hold current measurement function Typical Applications Automated test equipment (ATE) power delivery EMI/EMC testing and environmental simulation Power supply design validation and characterization Harmonic current analysis and power quality assessment Compatibility & Integration The PCR1000LA inherits proven architecture from the PCR-L series, integrating measurement telemetry with multi-mode power synthesis for diverse test protocols in both laboratory and production environments.

PCR1000LA Characteristics / Specifications

PARAMETER	VALUE
Model	PCR1000LA
Manufacturer	Kikusui Electronics
Instrument Type	Single phase AC and DC power source
Series	PCR-LA
Alias	PCR 1000LA; PCR1000LA
AC Power Capacity	1 kVA
AC Voltage Range	1 to 150 V / 2 to 300 V
AC Max Current	10 A / 5 A
AC Frequency	1 Hz to 999.9 Hz
DC Voltage Range	1.4 to 212 V / 2.8 to 424 V
DC Max Current	5 A / 2.5 A
DC Power Capacity	500 W
Peak Current	4 times max RMS
Load Power Factor	0 to 1
Voltage Distortion	0.3 percent or less
Response Speed	typically 30 us
Frequency Stability	within plus/minus 5e-5; setting plus/minus 5e-4
AC Voltage Accuracy	plus/minus (0.3 percent of set + 0.6 V)
Input Voltage	85 to 132 V / 170 to 250 V selectable
Input Apparent Power	approx 2 kVA
Input Current	24 A / 12 A or less
Power Factor	typically 0.95
Line Impedance 100 V Range	0 to 2.0 ohm, 20 mohm resolution
Ripple DC Mode	0.15 Vrms or less
Efficiency	50 percent or more

PARAMETER	VALUE
Circuit Method	linear amplifier
Operating Temperature	0 to 50 C
Humidity	20 to 80 percent RH
Withstand	1.5 kV AC 1 minute
Ammeter RMS Resolution	0.01 A
Remote	RS-232C; optional RC03-PCR-LA / RC04-PCR-LA
Parallel Pair	two PCR1000LA plus 2P03-PCR-LA for 2 kVA
Three Phase Kit	three PCR1000LA plus 3P03-PCR-LA for 3 kVA 3 ph
Rack	KRB400 / KRB8
Input Terminal	terminal board (not inlet like PCR500LA)
Compared PCR500LA	half the current and VA
Compared PCR2000LA	twice the current and VA Notes Specs from Kikusui PCR-LA series data sheet (PCR1000LA column). Confirm 100/200 V input switch. Do not confuse with PCR1000L (PCR-L predecessor).

General Specifications & Supplementary Characteristics

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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	PCR1000LA
Manufacturer	Kikusui Electronics
Instrument Type	Single phase AC and DC power source

Specifications

PARAMETER	VALUE
Series	PCR-LA
Alias	PCR 1000LA; PCR1000LA
AC Power Capacity	1 kVA

Specifications

PARAMETER	VALUE
AC Voltage Range	1 to 150 V / 2 to 300 V
AC Max Current	10 A / 5 A
AC Frequency	1 Hz to 999.9 Hz

Specifications

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DC Voltage Range	1.4 to 212 V / 2.8 to 424 V
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DC Power Capacity	500 W

Specifications

PARAMETER	VALUE
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Voltage Distortion	0.3 percent or less

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PARAMETER	VALUE
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AC Voltage Accuracy	plus/minus (0.3 percent of set + 0.6 V)

Specifications

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Specifications

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Ripple DC Mode	0.15 Vrms or less

Specifications

PARAMETER	VALUE
Efficiency	50 percent or more
Circuit Method	linear amplifier
Operating Temperature	0 to 50 C

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PARAMETER	VALUE
Humidity	20 to 80 percent RH
Withstand	1.5 kV AC 1 minute
Ammeter RMS Resolution	0.01 A

Specifications

PARAMETER	VALUE
Remote	RS-232C; optional RC03-PCR-LA / RC04-PCR-LA
Parallel Pair	two PCR1000LA plus 2P03-PCR-LA for 2 kVA
Three Phase Kit	three PCR1000LA plus 3P03-PCR-LA for 3 kVA 3 ph

Specifications

PARAMETER	VALUE
Rack	KRB400 / KRB8
Input Terminal	terminal board (not inlet like PCR500LA)
Compared PCR500LA	half the current and VA

Compared PCR2000LA: twice the current and VA

Notes

Specs from Kikusui PCR-LA series data sheet (PCR1000LA column). Confirm 100/200 V input switch. Do not confuse with PCR1000L (PCR-L predecessor).

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

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