

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

KIKUSUI

Kikusui PAN16-50A

The Kikusui PAN16-50A is a programmable AC power supply designed for testing and evaluating electronic devices and equipment. It delivers a stable and precise AC voltage and current, with a wide range of programmable parameters to simulate various power conditions. Ideal for product development, quality control, and compliance testing.



MODEL

Kikusui PAN16-50A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

PAN16-50A

LISTING

<https://aumictechlabs.com/products/pan16-50a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Kikusui PAN16-50A is a 1000 W DC power supply engineered for R&D, quality control, and production environments. It combines a series regulator with phase control pre-regulation to deliver stable, low-noise output from 0–16 VDC at 0–50 A. The unit features automatic constant voltage/constant current crossover, adjustable overvoltage protection, remote sensing to ± 0.6 V per side, and dual LED displays for real-time monitoring of output voltage and current. Technical Specifications Output Voltage: 0–16 VDC Output Current: 0–50 A Output Power: 1000 W Line Regulation (CV): $\pm 0.005\%$ + 1 mV Line Regulation (CC): $\pm 0.005\%$ + 1 mA Ripple Noise Voltage: 0.5 mVrms Ripple Noise Current: 2 mArms Temperature Drift (CV): 100 ppm/°C Transient Response: 50 μ s AC Input Options: 110, 120, 200, 220, 230, 240 VAC (configurable) Isolation Voltage to Ground: ± 250 VDC Insulation Resistance: >30 M Ω at 500 VDC (input to chassis) Key Features Constant voltage/constant current automatic crossover Adjustable overvoltage protection from

10% to 110% of rated output voltage Overcurrent protection at approximately 110% of rated current Overheat protection with semiconductor heatsink shutdown at 100°C Remote voltage and resistor-based control Remote sensing with 0.6 V per-side compensation Output ON/OFF remote capability Parallel and series operation support (single control for identical units) 10-turn potentiometers for precise voltage and current adjustment Forced air cooling Thermal fuse protection on main and sub-transformer Input/output fuse protection ALM indicator for OVP circuit activation Typical Applications Precision voltage and current control in laboratory testing, semiconductor device characterization, battery charging systems, and production burn-in procedures. Compatibility & Integration Optional GPIB interface available via PIA3200 adapter for system integration. Rack mount kits available with blank panel requirements for thermal management.

PAN1650A Characteristics / Specifications

PARAMETER	VALUE
Model	PAN16-50A
Manufacturer	Kikusui Electronics
Instrument Type	High reliability regulated DC power supply CV CC
Series	PAN-A
Alias	PAN 16-50A; PAN16-50A
Output Voltage	0 to 16 V
Output Current	0 to 50 A
Output Power	800 W
Ripple CV	0.5 mVrms
Ripple CC	10 mArms
Line Regulation CV	1 mV
Line Regulation CC	3 mA
Load Regulation CV	2 mV
Load Regulation CC	5 mA
Chassis Type	Type II
Weight	approx 36 kg
Input Voltage	100 V plus/minus 10 percent
Input Power	approx 1.6 kVA
Power Class	1000 W type
Voltmeter Max Digits	19.99 (PAN16 models)
Isolation Voltage	plus/minus 250 Vdc
Insulation Input Chassis	greater than 30 Mohm at 500 Vdc
Insulation Output Chassis	greater than 20 Mohm at 500 Vdc
Dielectric	1500 Vac 1 minute class
Ground	plus or minus may be grounded

PARAMETER	VALUE
Operating Mode	CV and CC
Remote Sense	family rear sense
Compared PAN16 30 A	PAN16-30A Type I3 23 kg 1.1 kVA 5 mA CC ripple
Operating Temperature	0 to 40 C class PAN-A
Cooling	forced air class
Meters	analog plus optional digital on some builds
GPIB Path	PIA series analog/GPIB controllers
Ammeter Max Class	199.9 on high-current PAN16
Form	PAN-A Type II bench/rack
Cable	heavier DC output cabling required at 50 A Notes

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 to 40 C class PAN-A
Operating Temperature	0 to 40 C class PAN-A
Cooling	forced air class
Meters	analog plus optional digital on some builds
GPIB Path	PIA series analog/GPIB controllers
Ammeter Max Class	199.9 on high-current PAN16
Form	PAN-A Type II bench/rack
Cable	heavier DC output cabling required at 50 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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PARAMETER	VALUE
Model	PAN16-50A
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Instrument Type	High reliability regulated DC power supply CV CC
Specifications	
PARAMETER	VALUE
Series	PAN-A
Alias	PAN 16-50A; PAN16-50A
Output Voltage	0 to 16 V
Specifications	
PARAMETER	VALUE
Output Current	0 to 50 A
Output Power	800 W
Ripple CV	0.5 mVrms
Specifications	
PARAMETER	VALUE
Ripple CC	10 mA _{rms}
Line Regulation CV	1 mV
Line Regulation CC	3 mA
Specifications	
PARAMETER	VALUE
Load Regulation CV	2 mV
Load Regulation CC	5 mA
Chassis Type	Type II

Specifications

PARAMETER	VALUE
Weight	approx 36 kg
Input Voltage	100 V plus/minus 10 percent
Input Power	approx 1.6 kVA

Specifications

PARAMETER	VALUE
Power Class	1000 W type
Voltmeter Max Digits	19.99 (PAN16 models)
Isolation Voltage	plus/minus 250 Vdc

Specifications

PARAMETER	VALUE
Insulation Input Chassis	greater than 30 Mohm at 500 Vdc
Insulation Output Chassis	greater than 20 Mohm at 500 Vdc
Dielectric	1500 Vac 1 minute class

Specifications

PARAMETER	VALUE
Ground	plus or minus may be grounded
Operating Mode	CV and CC
Remote Sense	family rear sense

Specifications

PARAMETER	VALUE
Compared PAN16 30 A	PAN16-30A Type I3 23 kg 1.1 kVA 5 mA CC ripple
Operating Temperature	0 to 40 C class PAN-A
Cooling	forced air class

Specifications

PARAMETER	VALUE
Meters	analog plus optional digital on some builds
GPIB Path	PIA series analog/GPIB controllers
Ammeter Max Class	199.9 on high-current PAN16

Form: PAN-A Type II bench/rack

Cable: heavier DC output cabling required at 50 A

Notes

Specs from Kikusui PAN-A series table (PAN 16-50A: 0-16 V, 0-50 A, 0.5 mVrms / 10 mA, Type II, 36 kg, 100 V 1.6 kVA). Confirm 100 V nameplate and output cable gauge.

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.