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Data Sheet

August 13, 2026

KIKUSUI

Kikusui PAN16-30A

The Kikusui PAN16-30A is a single-output, programmable AC power supply designed for testing and evaluating electronic devices and components. It delivers up to 16V and 30A, featuring a wide range of protection features and remote control capabilities.



MODEL

Kikusui PAN16-30A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

PAN16-30A

LISTING

<https://aumictechlabs.com/products/pan16-30a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Kikusui PAN16-30A is a single-output programmable DC power supply delivering 700 W across 0 to 16 V and 0 to 30 A. Built on the PAN-A series platform, this unit combines an FET pre-regulator with series regulation to achieve exceptionally low output noise and stable DC delivery. The architecture minimizes power-source harmonic distortion through phase control, making it suitable for sensitive component testing and precision measurement applications. Comprehensive protection includes adjustable overvoltage protection (10% to 110% of rated output), overcurrent limiting at approximately 110% of rated current, and thermal cutoff at 100°C. The CV/CC automatic crossover system transitions between constant voltage and constant current modes without operator intervention. Technical Specifications Output voltage: 0 to 16 V Output current: 0 to 30 A Output power: 700 W Ripple and noise (CV): 0.5 mVrms Ripple and noise (CC): 5 mArms Line regulation (CV): $\pm 0.005\% + 1 \text{ mV}$ or $\pm 0.005\% + 2 \text{ mV}$ Line regulation (CC): 3 mA Load regulation (CV): $\pm 0.005\% + 2 \text{ mV}$ Load regulation (CC): 3 mA Input voltage: 85 VAC to 132 VAC, 47 Hz to 63

Hz (single phase); optional 170 VAC to 250 VAC available Key Features FET pre-regulator and series regulation topology for low-noise output Overvoltage protection: adjustable 10% to 110% of rated voltage with preset verification Overcurrent protection at ~110% of rated output current Overheat protection with thermal fuse in main and sub-transformer circuits Remote voltage and current control via external analog signal or resistor Optional interfaces: RS232C, GPIB, USB Safety terminal covers available for front and rear output connectors Typical Applications Research and development, quality control, production testing, and component aging processes. Compatibility & Integration External analog control supports remote operation of output voltage and current. Optional communication interfaces enable integration with automated test systems and data acquisition platforms.

PAN1630A Characteristics / Specifications

PARAMETER	VALUE
Model	PAN16-30A
Manufacturer	Kikusui Electronics
Instrument Type	High reliability regulated DC power supply CV CC
Series	PAN-A
Alias	PAN 16-30A; PAN16-30A
Output Voltage	0 to 16 V
Output Current	0 to 30 A
Output Power	480 W
Ripple CV	0.5 mVrms
Ripple CC	5 mArms
Line Regulation CV	1 mV
Line Regulation CC	3 mA
Load Regulation CV	2 mV
Load Regulation CC	3 mA
Chassis Type	Type I3
Weight	approx 23 kg
Input Voltage	100 V plus/minus 10 percent
Input Power	approx 1.1 kVA
Power Class	700 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
Front Output	binding posts (M8 auxiliary on many PAN-A)
Rear Output	terminal M4/M5 class
Related PAN16 10 A	PAN16-10A 175 W type 11 kg 0.4 kVA
Related PAN16 18 A	PAN16-18A 350 W type 17 kg 0.8 kVA
Related PAN16 50 A	PAN16-50A 1000 W type 36 kg 1.6 kVA
Operating Temperature	0 to 40 C class PAN-A
Cooling	forced air class
Meters	analog plus optional digital on some builds
GPIO Path	PIA series analog/GPIB controllers
Form	PAN-A Type I3 bench/rack 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
Form	PAN-A Type I3 bench/rack 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	PAN16-30A
Manufacturer	Kikusui Electronics
Instrument Type	High reliability regulated DC power supply CV CC
Specifications	
PARAMETER	VALUE
Series	PAN-A
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Output Voltage	0 to 16 V
Specifications	
PARAMETER	VALUE
Output Current	0 to 30 A
Output Power	480 W
Ripple CV	0.5 mVrms
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PARAMETER	VALUE
Ripple CC	5 mA rms
Line Regulation CV	1 mV
Line Regulation CC	3 mA
Specifications	
PARAMETER	VALUE
Load Regulation CV	2 mV
Load Regulation CC	3 mA
Chassis Type	Type I3

Specifications

PARAMETER	VALUE
Weight	approx 23 kg
Input Voltage	100 V plus/minus 10 percent
Input Power	approx 1.1 kVA

Specifications

PARAMETER	VALUE
Power Class	700 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
Front Output	binding posts (M8 auxiliary on many PAN-A)
Rear Output	terminal M4/M5 class
Related PAN16 10 A	PAN16-10A 175 W type 11 kg 0.4 kVA

Specifications

PARAMETER	VALUE
Related PAN16 18 A	PAN16-18A 350 W type 17 kg 0.8 kVA
Related PAN16 50 A	PAN16-50A 1000 W type 36 kg 1.6 kVA
Operating Temperature	0 to 40 C class PAN-A

Specifications

PARAMETER	VALUE
Cooling	forced air class
Meters	analog plus optional digital on some builds
GPiB Path	PIA series analog/GPiB controllers

Form: PAN-A Type I3 bench/rack

Notes

Specs from Kikusui PAN-A series table (PAN 16-30A: 0-16 V, 0-30 A, 0.5 mVrms / 5 mA, 1 mV / 3 mA line, 2 mV / 3 mA load, Type I3, 23 kg, 100 V 1.1 kVA). Confirm 100 V versus 200 V nameplate.

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.