

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

KIKUSUI

Kikusui PAN70-8A

Kikusui DC Power Supplies. Voltage: 0 to 70V with 0.1V resolution, Current: 0 to 8A with 0.1A resolution, Accuracy: $\pm(0.5\%$ of setting + 0.5% of full scale).



MODEL

Kikusui PAN70-8A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

PAN70-8A

LISTING

<https://aumictechlabs.com/products/pan70-8a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Kikusui PAN70-8A is a bench power supply delivering 0 to 70V at 0 to 8A (560W rated output) for research, quality assurance, and production testing. It combines low noise performance with adjustable overvoltage and overcurrent protection, operating in either constant voltage or constant current mode depending on load conditions. Forced air cooling and active power factor correction ensure stable operation across 0°C to 40°C environments. Technical Specifications Output voltage: 0 to 70V with 0.1V resolution Output current: 0 to 8A with 0.1A resolution Rated output power: 560W Line regulation: $\leq 0.01\%$ + 3mV (100–120V or 200–240V input variance) Load regulation: $\leq 0.02\%$ + 5mV (0–100% load current change) Ripple & noise: $\leq 3\text{mV RMS}$ / $\leq 10\text{mV peak-to-peak}$ Voltage accuracy: $\pm(0.5\%$ of setting + 0.5% of full scale) Current accuracy: $\pm(0.5\%$ of setting + 0.5% of full scale) Operating temperature: 0°C to 40°C Storage temperature: -20°C to 70°C Operating humidity: 20–85% RH (non-condensing) Storage humidity: 20–90% RH (non-condensing) Dimensions: 215mm W × 131mm H × 330mm D (excluding handles and terminals) Weight: approximately 12 kg Key Features Adjustable

overvoltage protection (OVP) and overcurrent protection (OCP) with independent setpoints
Automatic CV/CC mode switching based on load impedance Remote sense capability for
compensated voltage regulation at load terminals Built-in active power factor correction circuit
Variable-speed cooling fan with forced air thermal management Heavy-duty screw terminals for
secure DC output connection Front panel rotary encoders and push buttons for voltage, current,
and protection adjustment LED status indicators for output, OVP, and OCP events Remote or front
panel output control Typical Applications Component and subsystem validation in R&D
environments Production line burn-in and functional testing Quality assurance testing of
electronic assemblies Compatibility & Integration Standard IEC power cord receptacle for AC input
Metal chassis with powder-coat finish

PAN708A Characteristics / Specifications

PARAMETER	VALUE
Model	PAN70-8A
Manufacturer	Kikusui Electronics
Instrument Type	High reliability DC power supply CV CC
Series	PAN-A
Alias	PAN 70-8A; PAN70-8A
Output Voltage	0 to 70 V
Output Current	0 to 8 A
Output Power	560 W
Ripple CV	0.5 mVrms
Ripple CC	2 mArms
Line Regulation CV	0.005 percent plus 1 mV
Line Regulation CC	1 mA
Load Regulation CV	0.005 percent plus 1 mV
Load Regulation CC	2 mA
Chassis Type	I3 (700 W type)
Weight	approx 22 kg
AC Input	100 V
Input Power	approx 1.1 kVA
Temperature Coefficient CV	100 ppm perCtypical
Temperature Coefficient CC	300 ppm perCtypical
Transient Response	50 us (5 to 100 percent load, recover within 0.05 percent plus 10 mV)
Ripple Bandwidth	5 Hz to 1 MHz rms, plus or minus grounded
Operating Mode	CV and CC automatic crossover
Related PAN70 2.5 A	PAN70-2.5A Type 0, 11 kg, 0.35 kVA, CC ripple 1 mA
Related PAN70 5 A	PAN70-5A Type I2, 17 kg, 0.8 kVA, CV ripple 0.5 mVrms

PARAMETER	VALUE
Related PAN70 15 A	PAN70-15A Type II, 35 kg, 1.9 kVA, CV ripple 1 mVrms, CC 5 mA
Isolation Family	plus/minus 250 Vdc class PAN-A (500 Vdc on 110 V and higher members)
Form	PAN-A Type I3 bench/rack
Predecessor PAD	PAD70-8L same 70 V / 8 A PAD-L class
Status	PAN-A 70 V series
Cooling	forced air PAN-A class Notes
Bandwidth	5 Hz to 1 MHz rms, plus or minus grounded

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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Ripple CC	2 mA rms
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Specifications

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Isolation Family	plus/minus 250 Vdc class PAN-A (500 Vdc on 110 V and higher members)

Specifications

PARAMETER	VALUE
Form	PAN-A Type I3 bench/rack
Predecessor PAD	PAD70-8L same 70 V / 8 A PAD-L class
Status	PAN-A 70 V series

Cooling: forced air PAN-A class

Notes

Specs from Kikusui PAN-A 70 V output table (PAN70-8A: 0-70 V, 0-8 A, 0.5 mVrms / 2 mA, Type I3, 22 kg, 1.1 kVA). Confirm 100 V input and Type I3 chassis.

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 ·
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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.