

**Aumictech**

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Data Sheet

August 13, 2026

KIKUSUI

Kikusui PAD 8

Kikusui PAD 8-30L Regulated DC Power Supply 0 to 8 V 30 A The Kikusui PAD 8-30L (PAD8-30L) isaPAD-L series CV/CC regulated DC supply with thyristor preregulator and series-transistor regulator. Output is 0 to 8 V and 0 to 30 A. Choke-input preregulation cuts line harmonics and input current versus capacitor-input designs. OVP is standard (about 50 ms trip on L; 0.2 ms high-speed on LP). Remote sensing, analog remote programming, series/parallel, and rack mounting are family features. Temperature coefficient typically 50 ppm/C; transient recovery typically 50 us (Type III/IV class). The Kikusui PAD 8-30L (PAD8-30L) isaPAD-L series CV/CC regulated DC supply with thyristor preregulator and series-transistor regulator. Output is 0 to 8 V and 0 to 30 A. Choke-input preregulation cuts line harmonics and input current versus capacitor-input designs. OVP is standard (about 50 ms trip on L; 0.2 ms high-speed on LP). Remote sensing, analog remote programming, series/parallel, and rack mounting are family features. Temperature coefficient typically 50 ppm/C; transient recovery typically 50 us (Type III/IV class). Applications RandDand QA DC stimulus at 8 V / 30 A



MODEL

Kikusui PAD 8

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

PAD 8

LISTING

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

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Kikusui PAD 8 is a precision DC power supply engineered for laboratory testing, component evaluation, and circuit prototyping. It delivers stable, regulated power with adjustable voltage and current outputs, comprehensive protection circuitry, and flexible control options including analog

remote operation and optional computer interface compatibility. Technical Specifications
Electrical Performance Output Voltage: 0 V to rated voltage (adjustable) Output Current:
Adjustable Temperature Coefficient: 50 ppm/°C (typical) Transient Response: 50 μ s Input Voltage:
120 VAC Ripple Voltage: Specified in mVrms Line Regulation: Specified in mV or % Load
Regulation: Specified in mV or % Aging Drift: Very low Physical Dimensions: 210 mm (W) $\times$ 140
mm (H) $\times$ 310 mm (D); PAD8-20L and 16-18L models feature 363 mm depth Key Features
Protection & Control Adjustable Overvoltage Protection (OVP): 10% to 110% of rated output
Adjustable Overcurrent Protection (OCP): 10% to 110% of rated output Constant Voltage/Constant
Current (CV/CC) automatic crossover Overheating protector for semiconductor heat sink section
Temperature fuse for subtransformer Input/Output fuse protection Input surge absorber Voltage
detector circuit for smoothing capacitor section Choke input system reduces inrush current and
harmonic distortion Improved power factor from choke input design Interface & Operation
Separate output switch for control SET switch for voltage and current confirmation with output
disabled Sensing terminals for load voltage drop compensation Monitor outputs: 0–10 V for output
voltage; 0–1 V for output current Analog remote control via external voltage or resistance Remote
control setup switch Master/Slave operation for parallel or series configuration Screw-less wire
clamp terminal block for control connections Typical Applications Laboratory power delivery,
device characterization, circuit development, and burn-in testing where precise voltage and
current regulation with integrated fault protection is required. Compatibility & Integration
Computer control available through optional controller compatibility (PIA4810; older units such as
PIA3200 may require ROM modification). Remote operation via analog control inputs and
resistance-based adjustment.

Features & description

From manufacturer datasheet

Built-in OVP; overheat, overcurrent, reverse-connection protection

10-turn voltage control; front binding posts and rear sense terminals Forced-air cooling Technical Specifications Model: PAD 8-30L Manufacturer: Kikusui Electronics Instrument Type: Regulated DC power supply CV CC Series: PAD-L / PAD-LP Alias: PAD8-30L; PAD 8; PAD8 Output Voltage: 0 to 8 V Output Current: 0 to 30 A Output Power: 240 W Ripple CV Family Low Voltage: 0.5 mVrms class (PAD-L low-V rows) Regulation Line CV Family: 0.005 percent plus 1 mV Regulation Load CV Family: 0.005 percent plus 2 mV Temperature Coefficient: typically 50 ppm perC Transient Response: typically 50 μ s to within 0.05 percent plus 10 mV (5 to 100 percent load, Type III/IV) Operating Mode: CV and CC automatic crossover OVPLSeries: built in, about 50 ms pulse width class OVP LP Series: high speed about 0.2 ms Overcurrent Protect: 110 percent of rated current class Overheat Protect: semiconductor heatsink about 100 C Voltage Control: 10 turns full scale Current Control: continuous (coarse/fine on many PAD-L) Remote Sense: rear sensing terminals Remote Program: analog voltage/resistance family Series Parallel: series, parallel, one-control parallel Meters: analog JIS class 2.5 on Type III/IV Ground: plus or minus output may be grounded

PAD8 Characteristics / Specifications

PARAMETER	VALUE
Model	PAD 8-30L
Manufacturer	Kikusui Electronics
Instrument Type	Regulated DC power supply CV CC
Series	PAD-L / PAD-LP
Alias	PAD8-30L; PAD 8; PAD8
Output Voltage	0 to 8 V
Output Current	0 to 30 A
Output Power	240 W
Ripple CV Family Low Voltage	0.5 mVrms class (PAD-L low-V rows)
Regulation Line CV Family	0.005 percent plus 1 mV
Regulation Load CV Family	0.005 percent plus 2 mV
Temperature Coefficient	typically 50 ppm perC Transient Response: typically 50 us to within 0.05 percent plus 10 mV (5 to 100 percent load, Type III/IV)
Operating Mode	CV and CC automatic crossover
OVPLSeries	built in, about 50 ms pulse width class
OVP LP Series	high speed about 0.2 ms
Overcurrent Protect	110 percent of rated current class
Overheat Protect	semiconductor heatsink about 100 C
Voltage Control	10 turns full scale
Current Control	continuous (coarse/fine on many PAD-L)
Remote Sense	rear sensing terminals
Remote Program	analog voltage/resistance family
Series Parallel	series, parallel, one-control parallel
Meters	analog JIS class 2.5 on Type III/IV
Ground	plus or minus output may be grounded
Isolation Voltage Family	plus/minus 250 Vdc (plus/minus 500 Vdc on marked high-V types)

PARAMETER	VALUE
Insulation Input Chassis	500 Vdc 30 Mohm min
Insulation Output Chassis	500 Vdc 20 Mohm min
Dielectric	1500 Vac 1 minute
Operating Temperature	0 to 40 C
Operating Humidity	10 to 90 percent RH
Cooling	forced air fan
Successor	PAD-LA series for new designs Notes Specs from Kikusui PAD-L/LP series catalog and PAD 8-30L 0-8 V / 30 A listings. Ripple/regulation rows for 8 V are family low-voltage class; confirm the unit is 8-30L not a 16 V PAD. LP suffix changes OVP speed.
Humidity	10 to 90 percent RH

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	
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Instrument Type	Regulated DC power supply CV CC
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Series	PAD-L / PAD-LP
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Specifications

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Overcurrent Protect	110 percent of rated current class
Overheat Protect	semiconductor heatsink about 100 C
Voltage Control	10 turns full scale

Specifications

PARAMETER	VALUE
Current Control	continuous (coarse/fine on many PAD-L)
Remote Sense	rear sensing terminals
Remote Program	analog voltage/resistance family

Specifications

PARAMETER	VALUE
Series Parallel	series, parallel, one-control parallel
Meters	analog JIS class 2.5 on Type III/IV
Ground	plus or minus output may be grounded

Specifications

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Isolation Voltage Family	plus/minus 250 Vdc (plus/minus 500 Vdc on marked high-V types)
Insulation Input Chassis	500 Vdc 30 Mohm min
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Specifications

PARAMETER	VALUE
Dielectric	1500 Vac 1 minute
Operating Temperature	0 to 40 C
Operating Humidity	10 to 90 percent RH

Cooling: forced air fan

Option Meter: DOM-2 3.5 digit LED

Successor: PAD-LA series for new designs

Notes

Specs from Kikusui PAD-L/LP series catalog and PAD 8-30L 0-8 V / 30 A listings. Ripple/regulation rows for 8 V are family low-voltage class; confirm the unit is 8-30L not a 16 V PAD. LP suffix changes OVP speed.

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.