

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

KIKUSUI

Kikusui PAD35

Kikusui PAD35 PAD-L 35 V Family DC Power Supply (current on faceplate) Listings titled only PAD35 are the Kikusui PAD-L 35 V CV/CC family, notaunique un-suffixed model. Verified PAD-L members: PAD35-5L, PAD35-10L/LP, PAD35-20L/LP, PAD35-30L/LP, PAD35-50L/LP, PAD35-60L, PAD35-100L, PAD35-200L. All share 0 to 35 V, 0.5 mVrms CV ripple on the PAD-L table, 0.005 percent plus 1 mV line regulation, 50 ppm/C typical, 50 us transient class, thyristor preregulator plus series transistor, OVP onLseries. Current (and CC ripple) is the dash after PAD35-. This file does not inventacurrent; read the nameplate. A separate listing exists for PAD35-20L. Listings titled only PAD35 are the Kikusui PAD-L 35 V CV/CC family, notaunique un-suffixed model. Verified PAD-L members: PAD35-5L, PAD35-10L/LP, PAD35-20L/LP, PAD35-30L/LP, PAD35-50L/LP, PAD35-60L, PAD35-100L, PAD35-200L. All share 0 to 35 V, 0.5 mVrms CV ripple on the PAD-L table, 0.005 percent plus 1 mV line regulation, 50 ppm/C typical, 50 us transient class, thyristor preregulator plus series transistor, OVP onLseries. Current (and CC ripple) is the dash after PAD35-. This file does not inventacurrent; read the nameplate. A separate listing exists for PAD35-20L. Aging, production, and analog-programmed systems



MODEL

Kikusui PAD35

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

PAD35

LISTING

<https://aumictechlabs.com/products/pad35-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Kikusui PAD35 is a variable DC regulated power supply engineered for research, development, industrial testing, and manufacturing applications. This benchtop/rack-mountable unit delivers 0–35 VDC output with selectable current ratings from 5 A to 200 A, depending on model. It operates in constant voltage (CV) and constant current (CC) modes with thyristor preregulation and power transistor series regulation, yielding low harmonic distortion and high efficiency. Input options include 120 VAC $\pm 10\%$ (50/60 Hz) or dual-voltage 120/240 VAC $\pm 10\%$ configurations. The PAD35 achieves line regulation of 0.005% and load regulation of 0.005%, with exceptional temperature stability at 50 ppm/°C and superior aging drift characteristics. A wide-band error amplifier enables fast transient response and tight frequency control. The choke input circuit reduces AC line waveform distortion and improves power factor, particularly at low output voltages. Front-panel voltage adjustment spans 0 V to rated output via 10-turn potentiometer; constant current uses coarse and fine adjustment knobs. Standard overvoltage protection (OVP) is adjustable from the front panel, with optional high-speed thyristor crowbar protection available for narrow-tolerance loads. Integrated overcurrent detection, overheating protection, and thermal management via forced air cooling safeguard the supply and connected equipment. Low ripple and noise output ensures clean power delivery to sensitive devices. Japanese manufacturing.

Technical Specifications
Output Voltage: 0–35 VDC
Output Current: 5 A, 10 A, 20 A, 30 A, 50 A, 60 A, 100 A, 200 A (model-dependent)
Input Voltage: 120 VAC $\pm 10\%$ or 120/240 VAC $\pm 10\%$, 50/60 Hz (selectable)
Line Regulation: 0.005% (10% input variation)
Load Regulation: 0.005%
Temperature Coefficient: 50 ppm/°C
Topology: Constant voltage/constant current with thyristor preregulation and power transistor series regulation
Cooling: Forced air

Key Features
Finely adjustable 0–35 VDC output (10-turn potentiometer)
Dual-mode constant current with coarse/fine control
Fast transient response via wide-band error amplifier
Low harmonic distortion and reduced AC line waveform distortion (choke input system)
Improved power factor at low output voltages
Adjustable front-panel overvoltage protection with optional thyristor crowbar circuit
Overcurrent and overheating protection with internal voltage, current, and temperature detection
Low ripple and noise output

Typical Applications
Research and development testing
Industrial manufacturing and process control
Device characterization and burn-in
Load simulation and validation
Sensitive equipment powering

Compatibility & Integration
Benchtop and rack-mountable configurations available. PAD-L and PAD-LP series platforms. 50/60 Hz input operation. Selectable input voltage options accommodate regional power standards.

PAD35 Characteristics / Specifications

PARAMETER	VALUE
Model	PAD35
Manufacturer	Kikusui Electronics
Instrument Type	Regulated DC power supply CV CC family
Series	PAD-L / PAD-LP
Alias	PAD35; PAD 35; PAD35-xL
Output Voltage	0 to 35 V (all PAD35 members)
Rated Output Current	encoded after PAD35- on the faceplate
Example PAD35 5L	0-35 V, 0-5 A, 0.5 mVrms / 1 mArms
Example PAD35 10L	0-35 V, 0-10 A, 0.5 mVrms / 2 mArms
Example PAD35 20L	0-35 V, 0-20 A, 0.5 mVrms / 3 mArms
Example PAD35 30L	0-35 V, 0-30 A
Example PAD35 50L	0-35 V, 0-50 A, 0.5 mVrms / 10 mArms
Example PAD35 60L	0-35 V, 0-60 A, 0.5 mVrms / 10 mArms
Example PAD35 100L	0-35 V, 0-100 A, 0.5 mVrms / 50 mArms
Example PAD35 200L	0-35 V, 0-200 A, 0.5 mVrms / 100 mArms
Ripple CV Family	0.5 mVrms
Line Regulation CV	0.005 percent plus 1 mV
Temperature Coefficient	typically 50 ppm perC Transient Response: typically 50 us
Operating Mode	CV and CC automatic crossover
OVPLSeries	built in
Voltage Control	10 turns full scale
Remote Sense	rear sensing terminals
Series Parallel	series, parallel, one-control parallel
Isolation Voltage Family	plus/minus 250 Vdc
Dielectric	1500 Vac 1 minute

PARAMETER	VALUE
Operating Temperature	0 to 40 C
Operating Humidity	10 to 90 percent RH
Cooling	forced air fan
GPIO Path	PIA3200 / PIA4800 / DPO2212A
Successor	PAD-LA 36 V / PAN35-xA class
Identity Rule	do not assume 20 A unless the nameplate is PAD35-20L Notes PAD35 without a current suffix is the 35 V PAD-L family. Specs from Kikusui PAD-L table rows PAD 35-5L through 35-200L. Confirm the ampere suffix on the nameplate.
Humidity	10 to 90 percent RH

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 to 40 C
Operating Temperature	0 to 40 C
Humidity	10 to 90 percent RH
Operating Humidity	10 to 90 percent RH
Cooling	forced air fan
GPIB Path	PIA3200 / PIA4800 / DPO2212A
Successor	PAD-LA 36 V / PAN35-xA class
Identity Rule	do not assume 20 A unless the nameplate is PAD35-20L Notes PAD35 without a current suffix is the 35 V PAD-L family. Specs from Kikusui PAD-L table rows PAD 35-5L through 35-200L. Confirm the ampere suffix on the nameplate.

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	PAD35
Manufacturer	Kikusui Electronics
Instrument Type	Regulated DC power supply CV CC family
Specifications	
PARAMETER	VALUE
Series	PAD-L / PAD-LP
Alias	PAD35; PAD 35; PAD35-xL
Output Voltage	0 to 35 V (all PAD35 members)
Specifications	
PARAMETER	VALUE
Rated Output Current	encoded after PAD35- on the faceplate
Example PAD35 5L	0-35 V, 0-5 A, 0.5 mVrms / 1 mA rms
Example PAD35 10L	0-35 V, 0-10 A, 0.5 mVrms / 2 mA rms
Specifications	
PARAMETER	VALUE
Example PAD35 20L	0-35 V, 0-20 A, 0.5 mVrms / 3 mA rms
Example PAD35 30L	0-35 V, 0-30 A
Example PAD35 50L	0-35 V, 0-50 A, 0.5 mVrms / 10 mA rms
Specifications	
PARAMETER	VALUE
Example PAD35 60L	0-35 V, 0-60 A, 0.5 mVrms / 10 mA rms
Example PAD35 100L	0-35 V, 0-100 A, 0.5 mVrms / 50 mA rms
Example PAD35 200L	0-35 V, 0-200 A, 0.5 mVrms / 100 mA rms

Specifications

PARAMETER	VALUE
Ripple CV Family	0.5 mVrms
Line Regulation CV	0.005 percent plus 1 mV
Temperature Coefficient	typically 50 ppm perC Transient Response: typically 50 us

Specifications

PARAMETER	VALUE
Operating Mode	CV and CC automatic crossover
OVPLSeries	built in
Voltage Control	10 turns full scale

Specifications

PARAMETER	VALUE
Remote Sense	rear sensing terminals
Series Parallel	series, parallel, one-control parallel
Isolation Voltage Family	plus/minus 250 Vdc

Specifications

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

Specifications

PARAMETER	VALUE
Cooling	forced air fan
GPiB Path	PIA3200 / PIA4800 / DP02212A
Successor	PAD-LA 36 V / PAN35-xA class

Identity Rule: do not assume 20 A unless the nameplate is PAD35-20L

Notes

PAD35 without current suffix is the 35 V PAD-L family. Specs from Kikusui PAD-L table rows PAD 35-5L through 35-200L. Confirm the ampere suffix on the 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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 13, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.