

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

KIKUSUI

Kikusui PAD35-10L

The Kikusui PAD35-10L is a 350W single-output DC regulated power supply engineered for research, development, manufacturing, and educational applications requiring precise power delivery. Operating in both constant voltage (CV) and constant current (CC) modes, the unit delivers 0–35V DC at up to 10A with low output ripple and noise. Front-panel controls include a 10-turn potentiometer for fine adjustment of voltage and current settings, plus a current/voltage limit switch. Fast transient response, achieved through a wide-band error amplifier, ensures stable frequency gain and phase characteristics across load variations. Aumictech offers NIST-traceable calibration and repair for the Kikusui PAD35-10L. All calibrations are performed to NIST-traceable standards and ship with a certificate. Turnaround is typically 1–3 business days after receipt. This Kikusui PAD35-10L is listed at .



MODEL

Kikusui PAD35-10L

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

PAD35-10L

LISTING

<https://aumictechlabs.com/products/pad35-10l-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

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limit switch. Fast transient response, achieved through a wide-band error amplifier, ensures stable frequency gain and phase characteristics across load variations. Technical Specifications Output Power: 350W Output Voltage: 0–35V DC Output Current: 10A Temperature Coefficient: 50 ppm/°C Input Voltage: 120V $\pm$ 10%, 50Hz/60Hz AC Input Power Consumption: ~720VA at rated load; ~1.1kVA maximum Operating Modes: Constant Voltage (CV), Constant Current (CC) Key Features Adjustable Overvoltage Protection (OVP) from front panel High-Speed Overvoltage Protector (thyristor crowbar) available as option Overcurrent Protection (OCP): 10% to 110% of rated output, user-settable Built-in voltage, current, and temperature detector circuits Low aging drift and temperature stability Choke input rectifier filter reduces input harmonics and improves power factor Remote sensing capability for accurate load voltage measurement Typical Applications Component and subsystem characterization in R&D environments Manufacturing test stations requiring CV/CC operation Educational laboratory work in electronics and materials testing Load testing of power management circuits and battery charging systems Compatibility & Integration Designed for bench-top and integrated test rack deployment. User manual contains detailed AC input requirements, line fuse specifications, and complete electrical characteristics including line and load regulation data.

PAD3510L Characteristics / Specifications

PARAMETER	VALUE
Model	PAD35-10L
Manufacturer	Kikusui Electronics
Instrument Type	Regulated DC power supply CV CC
Series	PAD-L / PAD-LP
Alias	PAD 35-10L; PAD35-10LP
Output Voltage	0 to 35 V
Output Current	0 to 10 A
Output Power	350 W
Ripple CV	0.5 mVrms
Ripple CC	2 mArms
Line Regulation CV	0.005 percent plus 1 mV
Temperature Coefficient	typically 50 ppm perC Transient Response: typically 50 us (Type I to IV class)
Operating Mode	CV and CC automatic crossover
OVPL Series	built in
OVP LP Series	high speed about 0.2 ms (PAD35-10LP)
Voltage Control	10 turns full scale
Remote Sense	rear sensing terminals
Remote Program	analog family
Series Parallel	series, parallel, one-control parallel
Meters	analog JIS class 2.5 Type III/IV class
Ground	plus or minus may be grounded
Isolation Voltage Family	plus/minus 250 Vdc
Insulation Input Chassis	500 Vdc 30 Mohm min
Insulation Output Chassis	500 Vdc 20 Mohm min
Dielectric	1500 Vac 1 minute

PARAMETER	VALUE
Operating Temperature	0 to 40 C
Operating Humidity	10 to 90 percent RH
Cooling	forced air fan
CV Lamp	green
CC Lamp	red
Overcurrent Protect	110 percent of rated current class
Overheat Protect	heatsink thermostat class
GPIB Path	PIA3200 / PIA4800 / DPO2212A
Related PAD	PAD35-5L, PAD35-20L, PAD35-30L, PAD35-50L, PAD35-60L
Successor	PAD-LA 36 V class for new designs Notes
Humidity	10 to 90 percent RH

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 to 40 C
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Humidity	10 to 90 percent RH
Operating Humidity	10 to 90 percent RH
Cooling	forced air fan
CV Lamp	green
CC Lamp	red
Overcurrent Protect	110 percent of rated current class
Overheat Protect	heatsink thermostat class
PIB Path	PIA3200 / PIA4800 / DPO2212A
Related PAD	PAD35-5L, PAD35-20L, PAD35-30L, PAD35-50L, PAD35-60L
Successor	PAD-LA 36 V class for new designs 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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Manufacturer	Kikusui Electronics
Instrument Type	Regulated DC power supply CV CC
Specifications	
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Series	PAD-L / PAD-LP
Alias	PAD 35-10L; PAD35-10LP
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PARAMETER	VALUE
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OVPLSeries	built in
OVP LP Series	high speed about 0.2 ms (PAD35-10LP)

Specifications

PARAMETER	VALUE
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Remote Sense	rear sensing terminals
Remote Program	analog family

Specifications

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

Specifications

PARAMETER	VALUE
Isolation Voltage Family	plus/minus 250 Vdc
Insulation Input Chassis	500 Vdc 30 Mohm min
Insulation Output Chassis	500 Vdc 20 Mohm min

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
CV Lamp	green
CC Lamp	red

Overcurrent Protect: 110 percent of rated current class

Overheat Protect: heatsink thermostat class

Option Meter: DOM-2

Specifications

PARAMETER	VALUE
GPIB Path	PIA3200 / PIA4800 / DP02212A

PARAMETER	VALUE
Related PAD35	PAD35-5L, PAD35-20L, PAD35-30L, PAD35-50L, PAD35-60L
Successor	PAD-LA 36 V class for new designs

Notes

Specs from Kikusui PAD-L/LP specification table (PAD 35-10L/LP row: 0-35 V, 0-10 A, 0.5 mVrms / 2 mA ripple).
Confirm versus LP OVP and 100/200 V input jumper.

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.