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Data Sheet

August 13, 2026

KIKUSUI

Kikusui PAD70-15L

The Kikusui PAD70-15L is a programmable DC power supply offering a voltage range of 0-70V and a current range of 0-15A. It features high stability and low noise, making it suitable for a variety of applications including research and development, quality control, and automated testing. The power supply includes comprehensive protection features such as overvoltage and overcurrent protection to ensure the safety of both the device and the equipment under test. Its programmable capabilities allow for automated testing and integration into larger systems.



MODEL

Kikusui PAD70-15L

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

PAD70-15L

LISTING

<https://aumictechlabs.com/products/pad70-15l-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Kikusui PAD70-15L is a linear regulated DC power supply engineered for precision laboratory and production test environments. It delivers 0-70 VDC output at 0-15 ADC with exceptional stability and minimal noise, supported by adjustable overvoltage protection and integrated thermal monitoring. Front-panel 10-turn potentiometers enable fine voltage and current adjustment, while remote control via external voltage or resistance input accommodates system integration. A sensing function and constant-voltage/constant-current operation modes allow set values to be verified during runtime. Technical Specifications Output Voltage: 0-70 VDC Output Current: 0-15 ADC Input Power: 120/240 VAC $\pm 10\%$ Ripple & Noise: 1 mV RMS (5 Hz-1 MHz) Voltage Fluctuation

($\pm 10\%$ input variation): 0.005% + 1 mV Load Regulation (0–100% load): 0.005% + 2 mV Transient Response (5–100%): 500 μ V Dimensions: 430 × 160 × 400 mm (W × H × D) Key Features Adjustable Overvoltage Protector (OVP) controlled from front panel Overheat detection circuit monitoring output current Internal voltage, current, and temperature protection detectors Low output impedance with stable frequency response characteristics Current/Voltage limit switches for preset operation Choke input system reducing input current and improving power factor LED display of output voltage and current Rear-panel remote sensing and control connections Typical Applications Research and development equipment testing Quality control validation of powered devices Automated test systems requiring programmable power delivery Component and subsystem characterization under variable load conditions Compatibility & Integration Remote voltage and current control via external sources enables integration into larger automated architectures. Set values for both constant-voltage and constant-current modes remain visible during operation, facilitating real-time monitoring in bench and rack-mounted configurations.

PAD7015L Characteristics / Specifications

PARAMETER	VALUE
Model	PAD70-15L
Manufacturer	Kikusui Electronics
Instrument Type	Regulated DC power supply CV CC
Series	PAD-L / PAD-LP
Alias	PAD 70-15L; PAD70-15L
Output Voltage	0 to 70 V
Output Current	0 to 15 A
Output Power	1050 W
Ripple CV	1 mVrms
Ripple CC	5 mArms
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
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
Operating Temperature	0 to 40 C

PARAMETER	VALUE
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
Related PAD70 8 A	PAD70-8L 0.5 mVrms / 2 mA
Related PAN	PAN70-15A in PAN-A series
GPIB Path	PIA3200 / PIA4800 / DPO2212A
Form	PAD-L Type III/IV class chassis (confirm type on the unit) 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
Related PAD70 8 A	PAD70-8L 0.5 mVrms / 2 mA
Related PAN	PAN70-15A in PAN-A series
GPIB Path	PIA3200 / PIA4800 / DPO2212A
Form	PAD-L Type III/IV class chassis (confirm type on the unit) 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	
Specifications	
PARAMETER	VALUE
Model	PAD70-15L
Manufacturer	Kikusui Electronics
Instrument Type	Regulated DC power supply CV CC
Specifications	
PARAMETER	VALUE
Series	PAD-L / PAD-LP
Alias	PAD 70-15L; PAD70-15L
Output Voltage	0 to 70 V
Specifications	
PARAMETER	VALUE
Output Current	0 to 15 A
Output Power	1050 W
Ripple CV	1 mVrms
Specifications	
PARAMETER	VALUE
Ripple CC	5 mArms
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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
Remote Program	analog family
Series Parallel	series, parallel, one-control parallel

Specifications

PARAMETER	VALUE
Meters	analog JIS class 2.5 Type III/IV class
Ground	plus or minus may be grounded
Isolation Voltage Family	plus/minus 250 Vdc

Specifications

PARAMETER	VALUE
Insulation Input Chassis	500 Vdc 30 Mohm min
Insulation Output Chassis	500 Vdc 20 Mohm min
Dielectric	1500 Vac 1 minute

Specifications

PARAMETER	VALUE
Operating Temperature	0 to 40 C
Operating Humidity	10 to 90 percent RH
Cooling	forced air fan

Specifications

PARAMETER	VALUE
CV Lamp	green
CC Lamp	red
Overcurrent Protect	110 percent of rated current class

Specifications

PARAMETER	VALUE
Overheat Protect	heatsink thermostat class
Related PAD70 8 A	PAD70-8L 0.5 mVrms / 2 mA
Related PAN	PAN70-15A in PAN-A series

GPIB Path: PIA3200 / PIA4800 / DP02212A

Option Meter: DOM-2

Form: PAD-L Type III/IV class chassis (confirm type on the unit)

Notes

Specs from Kikusui PAD-L table (PAD 70-15L: 0-70 V, 0-15 A, 1 mVrms / 5 mA). Do not mix with PAD70-8L ripple or current ratings.

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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<https://aumictechlabs.com>

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.