

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

KIKUSUI

Kikusui PAD110-20L

The Kikusui PAD110-20L is a programmable DC power supply offering a maximum output of 110V and 20A. It features high stability and low noise, making it suitable for a variety of applications including component testing, burn-in testing, and quality control. The unit includes built-in protection features such as overvoltage and overcurrent protection.



MODEL

Kikusui PAD110-20L

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

PAD110-20L

LISTING

<https://aumictechlabs.com/products/pad110-20l-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Kikusui PAD110-20L is a variable regulated DC power supply engineered for laboratory testing, production line verification, and extended aging applications. This Type III unit delivers 0–110 V at 0–20 A with automatic CV/CC crossover, utilizing a switching regulator and phase-control preregulator architecture to minimize output noise and maintain exceptional stability across transient load changes. Technical Specifications Output Ratings Voltage (CV): 0 to 110 V Current (CC): 0 to 20 A Input: 200 ± 10% VAC, 3.8 kVA Output Quality Ripple (CV): 1 mVrms Ripple (CC): 4 mArms Line Regulation (CV): ±0.005% + 1 mV Load Regulation (CV): ±0.005% + 2 mV Line Regulation (CC): 1 mA Load Regulation (CC): 3 mA Voltage Temperature Coefficient: 50 ppm/°C typical Transient Response Time: 50 μs (output recovers within 0.05% + 10 mV when current shifts 5% to 100%) Metering Voltmeter: 4-digit display; ±(0.5% reading + 5 digits) error at 23°C ±5°C Ammeter: 4-digit display; ±(1% reading + 5 digits) error at 23°C ±5°C Protection

Overvoltage Protection: adjustable 10–110% of rated output Overcurrent Protection: adjustable 10–110% of rated output Overheat Protection and Input/Output Fuse included Optional high-speed thyristor crowbar overvoltage protector available Environmental Operating Temperature: 0 to 40°C Operating Humidity: 10 to 90% RH Forced air cooling via integral fan Weight: exceeds 20 kg; two or more personnel required for relocation Key Features Fine 10-turn potentiometer control for voltage and current adjustment Remote voltage and current control via external voltage or resistance input Sensing function compensates for load wiring voltage drop Output ON/OFF control Large digital display for real-time monitoring Interfaces & Integration Optional communication interfaces: RS232C, GPIB, USB Typical Applications Laboratory experimentation and characterization Production line functional and stress testing Long-term device aging and burn-in procedures

PAD11020L Characteristics / Specifications

PARAMETER	VALUE
Model	PAD110-20L
Manufacturer	Kikusui Electronics
Instrument Type	Regulated DC power supply CV CC
Series	PAD-L / PAD-LP
Alias	PAD 110-20L; PAD110-20L
Output Voltage	0 to 110 V
Output Current	0 to 20 A
Output Power	2200 W
Ripple CV	1 mVrms
Ripple CC	4 mArms
Line Regulation CV	1 mV (0.005 percent plus 1 mV class)
Line Regulation CC	1 mA
Load Regulation CV	2 mV
Load Regulation CC	3 mA
Transient Response	50 us
Temperature Coefficient	typically 50 ppm perC Chassis Type: Type III
Weight	approx 60 kg
Input Voltage	200 V standard / 100 V changeable
Input Power	approx 3.8 kVA
Height	291 mm (11.45 in)
Depth	490 mm (19.29 in)
Isolation Voltage	plus/minus 500 Vdc (high-V *1 type)
Operating Mode	CV and CC automatic crossover
OVP	built in (L series)
Remote Sense	yes

PARAMETER	VALUE
Series Parallel	parallel and series
Overvoltage Protect	yes
Overcurrent Protect	yes
Overtemperature Protect	yes
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
Meters	analog JIS class 2.5 Type III
Ground	plus or minus may be grounded
Successor LA	PAD110-20LA 0-110 V 0-20 A, 1 mVrms / 4 mA, Type III, 63 kg, 200 V 3.8 kVA Notes
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
Meters	analog JIS class 2.5 Type III
Ground	plus or minus may be grounded
Successor LA	PAD110-20LA 0-110 V 0-20 A, 1 mVrms / 4 mA, Type III, 63 kg, 200 V 3.8 kVA 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	PAD110-20L
Manufacturer	Kikusui Electronics
Instrument Type	Regulated DC power supply CV CC
Specifications	
PARAMETER	VALUE
Series	PAD-L / PAD-LP
Alias	PAD 110-20L; PAD110-20L
Output Voltage	0 to 110 V
Specifications	
PARAMETER	VALUE
Output Current	0 to 20 A
Output Power	2200 W
Ripple CV	1 mVrms
Specifications	
PARAMETER	VALUE
Ripple CC	4 mA rms
Line Regulation CV	1 mV (0.005 percent plus 1 mV class)
Line Regulation CC	1 mA
Specifications	
PARAMETER	VALUE
Load Regulation CV	2 mV
Load Regulation CC	3 mA
Transient Response	50 us

Specifications

PARAMETER	VALUE
Temperature Coefficient	typically 50 ppm perC Chassis Type: Type III
Weight	approx 60 kg
Input Voltage	200 V standard / 100 V changeable

Specifications

PARAMETER	VALUE
Input Power	approx 3.8 kVA
Height	291 mm (11.45 in)
Depth	490 mm (19.29 in)

Specifications

PARAMETER	VALUE
Isolation Voltage	plus/minus 500 Vdc (high-V *1 type)
Operating Mode	CV and CC automatic crossover
OVP	built in (L series)

Specifications

PARAMETER	VALUE
Remote Sense	yes
Series Parallel	parallel and series
Overvoltage Protect	yes

Specifications

PARAMETER	VALUE
Overcurrent Protect	yes
Overtemperature Protect	yes
Insulation Input Chassis	500 Vdc 30 Mohm min

Specifications

PARAMETER	VALUE
Insulation Output Chassis	500 Vdc 20 Mohm min
Dielectric	1500 Vac 1 minute
Operating Temperature	0 to 40 C

Specifications

PARAMETER	VALUE
Operating Humidity	10 to 90 percent RH
Cooling	forced air fan
Meters	analog JIS class 2.5 Type III

Ground: plus or minus may be grounded

Successor LA: PAD110-20LA 0-110 V 0-20 A, 1 mVrms / 4 mA, Type III, 63 kg, 200 V 3.8 kVA

Notes

Specs from Kikusui PAD-L table (PAD 110-20L: 0-110 V, 0-20 A, 1 mVrms, 4 mA, Type III, 60 kg, 200/100 V, 3.8 kVA) and PAD-LA successor row. Confirm 100 versus 200 V transformer tap.

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.