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Data Sheet

August 13, 2026

KIKUSUI

Kikusui PMC35-1A

The Kikusui PMC35-1A is a reliable DC power supply, ideal for electronics testing, product development, and quality control. It delivers a stable and adjustable DC voltage and current, ensuring accurate testing and repeatable results in laboratory and industrial environments.



MODEL

Kikusui PMC35-1A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

PMC35-1A

LISTING

<https://aumictechlabs.com/products/pmc35-1a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Kikusui PMC35-1A is a series-regulated DC power supply delivering 0 to 35 VDC at 0 to 1 A, engineered for laboratory and industrial electronics testing, product development, and quality control. This compact linear supply operates with constant voltage (CV) and constant current (CC) regulation modes, providing low-noise output suitable for precision measurement and device characterization. The front panel features a push-in ON/OFF switch with lock function, dual 10-turn potentiometers for voltage and current adjustment, and an LED digital meter displaying both voltage and current simultaneously. Load regulation performance reaches 0.5% + 1 digit for voltage and 1% + 1 digit for current, while line regulation holds at 0.1% + 1 digit and 0.5% + 1 digit respectively. Output ripple and noise are specified at 3 mVrms (voltage) and 10 mArms (current). The unit includes overvoltage protection (OVP) and overheating protection (OHP) as standard safety features. Dual input voltage configurations accommodate 105–130 VAC, 180–220 VAC, 195–239 VAC, or 210–250 VAC at 50/60 Hz. The rear panel provides a J2 connector for analog remote

control and monitoring, fused AC input, and protective earth terminal. A 30-minute warm-up period is recommended to achieve specified performance stability. Technical Specifications

Output voltage: 0 to 35 VDC Output current: 0 to 1 A Input voltage: 105–130 VAC, 180–220 VAC, 195–239 VAC, or 210–250 VAC Input frequency: 50/60 Hz Load regulation: 0.5% + 1 digit (voltage), 1% + 1 digit (current) Line regulation: 0.1% + 1 digit (voltage), 0.5% + 1 digit (current) Output ripple and noise: 3 mVrms (voltage), 10 mArms (current) Warm-up time: 30 minutes Dimensions (Type I case): 175 mm W × 83 mm H × 250 mm D Weight: 4.0 kg

Key Features

Constant voltage and constant current regulation modes LED digital meter with simultaneous voltage and current display 10-turn potentiometers for precise voltage and current control Push-in ON/OFF switch with mechanical lock Overvoltage and overheating protection Low output noise design Compatibility & Integration Analog remote control via rear-panel J2 connector GPIB integration when used with power supply controllers (e.g., PIA4800 Series) GPIB-controlled functions: output voltage/current setting and readback, power switch monitoring, CV/CC mode status, output state monitoring, and alarm monitoring

PMC351A Characteristics / Specifications

PARAMETER	VALUE
Type I	107 × 124 × 270 mm class LED meters family accuracy Technical Specifications
Model	PMC35-1A
Manufacturer	Kikusui Electronics
Instrument Type	Compact regulated DC power supply CV CC
Series	PMC / PMC-A
Alias	PMC 35-1A; PMC35-1A
Output Voltage	0 to 35 V
Output Current	0 to 1 A
Ripple CV	0.5 mVrms
Ripple CC	1 mArms
Line Regulation CV	3 mV
Line Regulation CC	10 mA
Load Regulation CV	3 mV
Load Regulation CC	5 mA
Input Voltage	100 V plus/minus 10 percent
Input Power	95 VA
Chassis Type	TypeI Weight: approx 4.0 kg
Voltage Temperature Coefficient	typically 100 ppm perC Current Temperature Coefficient: typically 200 ppm perC Transient Response: 50 us
Voltage Display Max	199.9
Meter Voltage Error	plus/minus (0.5 percent rdg + 2 digits) at 23 plus/minus 5 C typical
Meter Current Error	plus/minus (1 percent rdg + 5 digits) at 23 plus/minus 5 C typical
Isolation Voltage	plus/minus 250 V (18 V and 35 V models)
OVP Range	5 percent to 105 percent of rating
Remote Sense	yes (18 V and 35 V models)

PARAMETER	VALUE
Remote Voltage PMC A	0 to 10 V or 0 to 10 kohm
Remote Current PMC A	0 to 10 V or 0 to 10 kohm
MonitorVMON	10.0 V plus/minus 0.5 V at rated voltage
MonitorIMON	10.0 V plus/minus 0.5 V at rated current
Status Outputs	OUT ON, CV, CC, ALM, PWR ON
Dimensions Type I	107 mmWx 124 mmHx 270 mmDclass
Operating Temperature	0 to 40 C
Operating Humidity	10 to 80 percent RH
Cooling	convection
Series Parallel	series; parallel same model
Related PMC35 0.5 A	PMC35-0.5A 50 VA 3.5 kg
Related PMC35 2 A	PMC35-2A 190 VA Type I 5.0 kg
Rack Option	KRA150 JIS / KRA3 EIA
Controller Option	PIA3200 Notes
Humidity	10 to 80 percent RH

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 to 40 C
Operating Temperature	0 to 40 C
Humidity	10 to 80 percent RH
Operating Humidity	10 to 80 percent RH
Cooling	convection
Series Parallel	series; parallel same model
Related PMC35 0.5 A	PMC35-0.5A 50 VA 3.5 kg
Related PMC35 2 A	PMC35-2A 190 VA Type I 5.0 kg
Rack Option	KRA150 JIS / KRA3 EIA
Controller Option	PIA3200 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	PMC35-1A
Manufacturer	Kikusui Electronics
Instrument Type	Compact regulated DC power supply CV CC
Specifications	
PARAMETER	VALUE
Series	PMC / PMC-A
Alias	PMC 35-1A; PMC35-1A
Output Voltage	0 to 35 V
Specifications	
PARAMETER	VALUE
Output Current	0 to 1 A
Ripple CV	0.5 mVrms
Ripple CC	1 mA rms
Specifications	
PARAMETER	VALUE
Line Regulation CV	3 mV
Line Regulation CC	10 mA
Load Regulation CV	3 mV
Specifications	
PARAMETER	VALUE
Load Regulation CC	5 mA
Input Voltage	100 V plus/minus 10 percent
Input Power	95 VA

Specifications

PARAMETER	VALUE
Chassis Type	TypeI Weight: approx 4.0 kg
Voltage Temperature Coefficient	typically 100 ppm perC Current Temperature Coefficient: typically 200 ppm perC Transient Response: 50 us
Voltage Display Max	199.9

Specifications

PARAMETER	VALUE
Meter Voltage Error	plus/minus (0.5 percent rdg + 2 digits) at 23 plus/minus 5 C typical
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Isolation Voltage	plus/minus 250 V (18 V and 35 V models)

Specifications

PARAMETER	VALUE
OVP Range	5 percent to 105 percent of rating
Remote Sense	yes (18 V and 35 V models)
Remote Voltage PMC A	0 to 10 V or 0 to 10 kohm

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MonitorVMON	10.0 V plus/minus 0.5 V at rated voltage
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Specifications

PARAMETER	VALUE
Status Outputs	OUT ON, CV, CC, ALM, PWR ON
Dimensions Type I	107 mmWx 124 mmHx 270 mmDclass
Operating Temperature	0 to 40 C

Specifications

PARAMETER	VALUE
Operating Humidity	10 to 80 percent RH
Cooling	convection
Series Parallel	series; parallel same model

Specifications

PARAMETER	VALUE
Related PMC35 0.5 A	PMC35-0.5A 50 VA 3.5 kg
Related PMC35 2 A	PMC35-2A 190 VA Type I 5.0 kg
Rack Option	KRA150 JIS / KRA3 EIA

Controller Option: PIA3200

Notes

Specs from Kikusui PMC/PMC-A series table (PMC35-1A: 0-35 V, 0-1 A, 0.5 mVrms / 1 mA, line 3 mV / 10 mA, load 3 mV / 5 mA, 95 VA, Type I, 4.0 kg). Confirm PMC versus PMC-A.

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>

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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.