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Data Sheet

August 13, 2026

KEITHLEY

Keithley 2100/120 6½-Digit USB Multimeter

Keithley 2100/120 6.5 Digit USB Digital Multimeter 120 Vac The Keithley 2100/120 is the 120 Vac line version of the Model 2100 6.5-digit USB digital multimeter. Basic 1-year DCV accuracy is 0.0038 percent of reading plus 0.0006 percent of range on the 10 V range (23 plus/minus 5 C). Eleven measurement functions, eight math functions, TMC-compliant USB 2.0, selectable front/rear inputs, and a 2000-reading buffer. At 6.5 digits it delivers 50 triggered readings/s over USB; at 4.5 digits over 2000 readings/s into the buffer. The Keithley 2100/120 is the 120 Vac line version of the Model 2100 6.5-digit USB digital multimeter. Basic 1-year DCV accuracy is 0.0038 percent of reading plus 0.0006 percent of range on the 10 V range (23 plus/minus 5 C). Eleven measurement functions, eight math functions, TMC-compliant USB 2.0, selectable front/rear inputs, and a 2000-reading buffer. At 6.5 digits it delivers 50 triggered readings/s over USB; at 4.5 digits over 2000 readings/s into the buffer. Bench and system DCV/ohms metrology on 120 Vac mains



MODEL

Keithley 2100/120

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

2100/120

LISTING

<https://aumictechlabs.com/products/2100-120-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keithley 2100/120 is a 6½-digit USB digital multimeter engineered for high-precision benchtop and automated test system measurements. It delivers 11 primary measurement functions with 8 math capabilities - including RATIO, percentage, Min/Max, NULL, Limits, mX+b, dB, and dBm

analysis - supporting diverse electrical characterization workflows. The instrument achieves 0.0038% basic DC voltage accuracy on the 10 V range and 0.013% basic resistance accuracy on the 10 k Ω range, with fully specified accuracies across all functions for ISO-compliant documentation. Technical Specifications Measurement & Display 6½-digit resolution 11 measurement functions: DC/AC voltage, DC/AC current, 2-wire/4-wire resistance, frequency, continuity, temperature (RTD: PT100, D100, F100, PT385, PT3916), True RMS 8 math functions: RATIO, %, Min/Max, NULL, Limits, mX+b, dB, dBm Measurement rates: 50 triggered readings/second at 6½ digits via USB; over 2000 readings/second at 4½ digits to internal buffer Electrical Ratings DC voltage: 0 to 1 kV maximum AC voltage: 0 to 750 V maximum DC/AC current: 0 to 3 A maximum Resistance: 0 to 0.1 G Ω maximum Environmental & Power Power input: 120 V AC, 50/60 Hz auto-detected Power consumption: 25 VA Warm-up requirement: 2 hours for specification compliance CE compliant, UL listed Key Features Selectable front/rear input connectors for flexible test configurations Rugged construction rated for bench and portable operation TMC-compliant USB 2.0 interface with SCPI command support Included LabVIEW driver and Keithley I/O Layer for instrument control Compatibility & Integration PC software utilities enable direct data integration with Microsoft Excel (Add-In with graphing and settings control) and Microsoft Word (report import). SCPI-compatible programming facilitates automated test sequences and remote data acquisition. USB cable and power cable supplied.

2100 Characteristics / Specifications

PARAMETER	VALUE
Model	2100/120
Manufacturer	Keithley Instruments (Tektronix)
Instrument Type	6.5 digit USB digital multimeter
Alias	2100/120; 2100120; Keithley 2100 120 Vac
Line Voltage	120 Vac
Line Frequency	50/60 Hz auto detected
Power Consumption	25 VA max
Resolution	6.5 digits
Basic DCV Accuracy	0.0038 percent of reading (10 V range, 1 year, 23 plus/minus 5 C)
Basic Ohms Accuracy	0.013 percent of reading (10 kohm range, 1 year)
DCV Ranges	100 mV, 1 V, 10 V, 100 V, 1000 V
DCV Best Resolution	0.1 uV on 100 mV
DCV Input Resistance Low	greater than 10 Gohm on 100 mV to 10 V
ACV Ranges	100 mV to 750 V RMS
DCI Ranges	10 mA, 100 mA, 1 A, 3 A
ACI Ranges	1 A and 3 A
Resistance Ranges	100 ohm to 100 Mohm (2-wire and 4-wire)
Frequency Range	3 Hz to 300 kHz class
RTD Temperature	minus 200 C to plus 630 C (PT100 class, 1 mA sensor current)
Reading Rate 6.5 Digit	50 triggered readings/s via USB
Reading Rate 4.5 Digit	greater than 2000 readings/s into buffer
Reading Buffer	2000 readings
Remote Interface	USB 2.0 TMC
Dimensions	112 mm by 256 mm by 375 mm
Weight	4.1 kg

PARAMETER	VALUE
Operating Temperature	5 C to 40 C Notes Specs from Keithley Model 2100 6.5-digit USB DMM datasheet/SPEC-2100. Measurement table is common to 2100 line SKUs; this unit is the 120 Vac setting. Confirm rear-panel line marking versus 2100/100 or 2100/220.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	5 C to 40 C
Operating Temperature	5 C to 40 C

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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Specifications	
PARAMETER	VALUE
Alias	2100/120; 2100120; Keithley 2100 120 Vac
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Power Consumption	25 VA max
Resolution	6.5 digits
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Operating Temperature: 5 C to 40 C

Notes

Specs from Keithley Model 2100 6.5-digit USB DMM datasheet/SPEC-2100. Measurement table is common to 2100 line SKUs; this unit is the 120 Vac setting. Confirm rear-panel line marking versus 2100/100 or 2100/220.

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.