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Data Sheet

August 13, 2026

KEITHLEY

Keithley 2110-220 5½ Digit Dual-Display USB Multimeter

Keithley Laboratory Measurement Instruments. Voltage: 200 mV to 1000 V, Current: 200 μ A to 10 A.



MODEL

Keithley 2110-220

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

2110-220

LISTING

<https://aumictechlabs.com/products/2110-220-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keithley 2110-220 is a 5½ digit dual-display digital multimeter engineered for precision measurements across laboratory and industrial environments. It delivers simultaneous monitoring of two distinct parameters through independent LED displays, enabling efficient parallel data acquisition. A USB 2.0 interface with SCPI command compatibility supports automated test systems, remote instrument control, and direct data logging without additional hardware.

Technical Specifications Measurement Functions DC Voltage: 200 mV to 1000 V AC Voltage (True RMS): 200 mV to 750 V DC Current: 200 μ A to 10 A AC Current (True RMS): 200 μ A to 10 A Resistance (2-wire and 4-wire Kelvin): 200 Ω to 100 M Ω Frequency: 3 Hz to 100 kHz Temperature: Thermocouple (Type K, J, T, E, R, S, B, N) and RTD (Pt 100, Pt 1000) sensors; Celsius and Fahrenheit scales Display Architecture Dual 5½ digit LED displays for independent, simultaneous measurements Power and Safety Input: 100–240 VAC RMS, 50/60 Hz Safety compliance with

relevant standards and CAT ratings

Key Features True RMS AC measurement capability ensures accuracy across varied waveform geometries. Four-wire Kelvin resistance measurement eliminates lead resistance errors in precision applications. Frequency measurement from 3 Hz to 100 kHz supports characterization of power supplies, oscillators, and signal sources. Native thermocouple and RTD support eliminates external conditioning circuits for temperature monitoring.

Typical Applications Electrical component verification, circuit troubleshooting, automated production testing, thermal system diagnostics, and frequency characterization in embedded systems and power electronics development.

Compatibility & Integration USB 2.0 (Full Speed) connectivity integrates with SCPI-compatible test frameworks and data acquisition platforms. Direct measurement logging to host computers enables time-stamped data analysis and statistical trending without intermediate data translation layers.

Features & description

From manufacturer datasheet

Features

- Dual-line display of two functions at once
- Seven math operations: percent, average, min/max, NULL, limits, $mX+b$, dB/dBm
- Programmable A/D and filter for SNR versus speed
- USB TMC; GPIB only on 2110-220-GPIB
- 2000-reading buffer class
- Distinct line-voltage SKUs: 100, 220, 240 VAC

2110220 Characteristics / Specifications

PARAMETER	VALUE
Model	2110-220
Manufacturer	Keithley / Tektronix
Instrument Type	5.5 digit dual display digital multimeter
Alias	2110-220; 2110-220-GPIB
Resolution	5.5 digits
Line voltage SKU	220 VAC
One year basic DCV accuracy	0.012%
One year basic resistance accuracy	0.020% through 100 kohm
DC voltage ranges	0.1 V, 1 V, 10 V, 100 V, 1000 V
AC voltage ranges	0.1 V, 1 V, 10 V, 100 V, 750 V
DC current ranges	10 mA, 100 mA, 1 A, 3 A, 10 A
AC current ranges	1 A, 3 A, 10 A
Resistance ranges	100 ohm, 1 kohm, 10 kohm, 100 kohm, 1 Mohm, 10 Mohm, 100 Mohm two and four wire
Frequency range	10 Hz to 300 kHz
Capacitance ranges	1 nF, 10 nF, 100 nF, 1 uF, 10 uF, 100 uF
Thermocouple types	J, R, S, T, E, N, B, C, K
Temperature extra	RTD and NTC thermistor
Diode test	supported
Continuity	supported
Math functions	percentage, average, min/max, NULL, limits, mX+b, dB, dBm
Reading rate class	up to 500 readings/s via USB (family literature)
Reading buffer	2000 readings class
Interfaces USB	USB standard
Interfaces GPIB	on 2110-220-GPIB only
Related SKUs	2110-100 (100 V); 2110-240 (240 V)

PARAMETER	VALUE
Display	dual line
Form	bench 5.5 digit DMM
Measurement functions count	15
Not 20	5.5 digit / 0.012% DCV versus 6.5 digit / 0.002% class 2000
Not 2110 2	confirm 220 V line fuse and rear marking

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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PARAMETER	VALUE
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Manufacturer	Keithley / Tektronix
Instrument Type	5.5 digit dual display digital multimeter
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AC current ranges	1 A, 3 A, 10 A
Resistance ranges	100 ohm, 1 kohm, 10 kohm, 100 kohm, 1 Mohm, 10 Mohm, 100 Mohm two and four wire
Frequency range	10 Hz to 300 kHz
Capacitance ranges	1 nF, 10 nF, 100 nF, 1 uF, 10 uF, 100 uF
Thermocouple types	J, R, S, T, E, N, B, C, K
Temperature extra	RTD and NTC thermistor
Diode test	supported
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Math functions	percentage, average, min/max, NULL, limits, mX+b, dB, dBm
Reading rate class	up to 500 readings/s via USB (family literature)
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Interfaces USB	USB standard
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PARAMETER	VALUE
Display	dual line
Form	bench 5.5 digit DMM
Measurement functions count	15
Not 2000	5.5 digit / 0.012% DCV versus 6.5 digit / 0.002% class 2000
Not 2110 240	confirm 220 V line fuse and rear marking

Notes
Specs from Keithley Model 2110 5.5-digit dual-display DMM data sheet. Confirm 2110-220 versus 2110-220-GPIB and versus 100/240 V line SKUs before applying mains.

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.