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Data Sheet

August 13, 2026

KEITHLEY

Keithley 2110-100 5½ Digit Dual-Display USB Multimeter

The Keithley 2110-100 is a 5½-digit dual-display digital multimeter (DMM) designed for accurate and reliable measurements. It offers USB connectivity for seamless data logging and remote control. Ideal for electronics testing, circuit debugging, and quality control applications, this DMM provides a cost-effective solution for precision measurement needs.



MODEL

Keithley 2110-100

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

2110-100

LISTING

<https://aumictechlabs.com/products/2110-100-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keithley 2110-100 is a 5½-digit dual-display digital multimeter engineered for high-accuracy measurements across production, R&D, test engineering, and educational settings. Its dual-line display enables simultaneous viewing of two independent measurements, streamlining complex diagnostics and multi-parameter analysis. The instrument delivers 15 measurement functions including capacitance and thermocouple analysis, supported by 7 math operations for percentage, averaging, min/max, NULL, limits, mX+b, dB, and dBm calculations. Technical Specifications Measurement Performance: 5½-digit dual-line display with 15 distinct functions DC voltage accuracy (one-year): 0.012% basic Resistance accuracy (one-year, to 100 kΩ): 0.020% basic RTD and NTC thermistor accuracy: ±0.8°C (one-year, lead resistance excluded) Reading

speed at 5½ digits: 200 readings/second via USB Reading speed at 4½ digits: up to 50,000 readings/second; 30,000 readings/second into buffer Specifications valid after 2-hour warm-up Electrical Ranges: DC voltage: 0.1 V to 1000 V (five ranges) AC voltage: 0.1 V to 750 V (five ranges) DC current: 10 mA to 10 A (five ranges) AC current: 1 A to 10 A (three ranges) Resistance: 100 Ω to 100 M Ω (two- and four-wire modes) Frequency: 10 Hz to 300 kHz Capacitance: 1 nF to 100 μ F Temperature: RTD and NTC thermistor measurements Key Features Four-wire resistance mode with maximum lead resistance of 10% per lead (100 Ω and 1 k Ω ranges) or 1 k Ω per lead (remaining ranges) TMC-compliant USB 2.0 interface with SCPI command support PC software utilities for data logging, graphing, and Microsoft Word/Excel integration Optional GPIB interface for advanced system applications Rugged construction suitable for benchtop and portable deployment Typical Applications Production test, research and development, field service, and laboratory measurement environments requiring high precision and multi-parameter simultaneous monitoring. Compatibility & Integration USB 2.0 (standard); GPIB (optional). SCPI-compatible command set enables remote instrument control and automated test sequences.

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 2110-100-GPIB
- 2000-reading buffer class
- Distinct line-voltage SKUs: 100, 220, 240 VAC

2110100 Characteristics / Specifications

PARAMETER	VALUE
Model	2110-100
Manufacturer	Keithley / Tektronix
Instrument Type	5.5 digit dual display digital multimeter
Alias	2110-100; 2110-100-GPIB
Resolution	5.5 digits
Line voltage SKU	100 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 2110-100-GPIB only
Related SKUs	2110-220 (220 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 100 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	
Specifications	
PARAMETER	VALUE
Model	2110-100
Manufacturer	Keithley / Tektronix
Instrument Type	5.5 digit dual display digital multimeter
Alias	2110-100; 2110-100-GPIB
Resolution	5.5 digits
Line voltage SKU	100 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 2110-100-GPIB only
Related SKUs	2110-220 (220 V); 2110-240 (240 V)

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 220	confirm 100 V line fuse and rear marking

Notes
Specs from Keithley Model 2110 5.5-digit dual-display DMM data sheet. Confirm 2110-100 versus 2110-100-GPIB and versus 220/240 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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NIST-traceable calibration · SAM registered ·
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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.