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Data Sheet

August 6, 2026

KEITHLEY

Keithley 195A Digital Multimeter with 1950 AC Option

Keithley Laboratory Measurement Instruments. Voltage: 20mV to 1000V full scale, Bandwidth: 3 dB at 250 kHz typical.



MODEL Keithley 195A/1950	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU 195A/1950	LISTING https://aumictechlabs.com/products/195a-1950-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keithley 195A is a 5.5-digit digital multimeter delivering high-resolution electrical measurements across DC voltage, resistance, and - with the 1950 AC Option AC voltage and DC current. Manual or fast autoranging (150ms per range change on DCV) enables rapid measurement cycles, while a standard GPIB interface integrates directly into automated test systems. The instrument achieves 200,000-count resolution on a LED display and stabilizes to rated accuracy within 1 hour of warmup. Technical Specifications Measurement Ranges & Accuracy DC Voltage: 20mV to 1000V full scale; $\pm(0.025\%$ reading + 6-8 counts) depending on range AC Voltage (1950 Option): 200mV to 700V; $\pm(0.3\%$ reading + 200 counts) at 45Hz-10kHz, True RMS response Resistance: 20 Ω to 20M Ω across seven ranges; $\pm(0.022-0.050\%$ reading + 5-25 counts); automatic 2- or 4-terminal configuration DC Current (1950 Option): 20 μ A to 2A; resolution from 100pA full scale AC Current (1950 Option): 1nA to 2A, True RMS Input

Characteristics DC Voltage Input Impedance: $>1\text{ G}\Omega$ ($10\text{ M}\Omega$ on 20V and above ranges) AC Voltage Input Impedance: $2\text{ M}\Omega$ shunted by $<75\text{ pF}$; bandwidth -3 dB at 250 kHz typical Maximum Input: 1000V peak (DC and AC); AC also limited to 107 V·Hz Crest Factor: Up to 3:1 allowable for AC measurements Environmental & Physical Operating: 0°C to 50°C , 0–80% RH (to 35°C) Storage: -25°C to 65°C Power: 105–125V or 210–250V selectable, 50–400 Hz, 24 VA maximum Dimensions: 127 mm H $\times$ 216 mm W $\times$ 359 mm D Weight: 3.2 kg Key Features 5.5-digit LED display (200,000 counts) Fast autoranging with 150 ms per-range settling on DCV True RMS AC measurements with AC coupling Automatic 2- and 4-terminal resistance measurement Temperature coefficient: $<\pm(0.1 \times \text{accuracy})/^{\circ}\text{C}$ across $0\text{--}18^{\circ}\text{C}$ and $28\text{--}50^{\circ}\text{C}$ Reading rate: 3 readings/second (1 reading/second on $20\text{ M}\Omega$ range) Typical Applications Electronics assembly and component validation Laboratory bench testing and general electrical measurement Automated test system integration via GPIB Compatibility & Integration Standard GPIB interface supports integration into ATE platforms. 90–110 V and 180–220 V power supply versions available on request.

Features & description

From manufacturer datasheet

Features

- Resolution: 5½ digits • DC voltage and resistance (standard) • Option 1950: AC voltage (true-RMS class) • Systems interfaces: IEEE-488 programming • Front-panel and remote operation • Compatible with Keithley rack kits alongside 230/263/2700-class instruments

195A1950 Characteristics / Specifications

PARAMETER	VALUE
Model	195A (with Option 1950)
Manufacturer	Keithley Instruments
Instrument Type	Digital Multimeter
Alias	195A; 195A/1950; Keithley 195A Functions DCV, resistance; ACV with Opt 1950 Operational Notes Prefer Keithley 195A operator/programming manuals. Confirm 1950 option installed on unit. Catalog: 195a-1950-2.
Resolution	5½ digits
Option 1950	AC voltage (true-RMS class)
Systems interfaces	IEEE-488 programming

195A1950 Specifications

PARAMETER	VALUE
Keithley 195A Digital Multimeter with 1950 AC Option	Overview
Applications	Systems DMM; DC metrology; AC volts with Opt 1950; automated test.
Key Features	- Resolution: 5½ digits
Technical Specifications	Model: 195A (with Option 1950)
Functions	DCV, resistance; ACV with Opt 1950
Operational Notes	Prefer Keithley 195A operator/programming manuals. Confirm 1950 option installed on unit. Catalog: 195a-1950-2.

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	195A (with Option 1950)
Manufacturer	Keithley Instruments
Instrument Type	Digital Multimeter
Alias	195A; 195A/1950; Keithley 195A

Functions

DCV, resistance; ACV with Opt 1950

Operational Notes

Prefer Keithley 195A operator/programming manuals. Confirm 1950 option installed on unit. Catalog: 195a-1950-2.

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.