

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 5, 2026

KEYSIGHT

Keysight (Agilent) E4980A Precision LCR Meter, 20 Hz to 2 MHz

Keysight (Agilent) E4980A Precision LCR Meter, 20 Hz to 2 MHz The Keysight/Agilent E4980A is a precision LCR meter covering 20 Hz to 2 MHz with 4-digit frequency resolution at any frequency. Industry-leading accuracy and speed for both low and high impedance, succeeding the 4284A. Basic accuracy 0.05% class; measurement speeds as fast as ~5.6 ms/point at 1 MHz (SHORT mode). GPIB/USB/LAN (LXI-C). Optional power/DC bias enhancement (Opt 001) and DCR (Opt 200). General R&D and manufacturing test of components and materials; capacitor/inductor evaluation; impedance spectroscopy to 2 MHz. The Keysight/Agilent E4980A is a precision LCR meter covering 20 Hz to 2 MHz with 4-digit frequency resolution at any frequency. Industry-leading accuracy and speed for both low and high impedance, succeeding the 4284A. Basic accuracy 0.05% class; measurement speeds as fast as ~5.6 ms/point at 1 MHz (SHORT mode). GPIB/USB/LAN (LXI-C). Optional power/DC bias enhancement (Opt 001) and DCR (Opt 200). General R&D and manufacturing test of components and materials; capacitor/inductor evaluation; impedance spectroscopy to 2 MHz.

No photo

MODEL

Keysight E4980A

CALIBRATION

**N/A — off-catalog
OEM datasheet**

CONDITION

**See OEM
documentation**

STATUS

**Not listed on
Aumictech
inventory**

RFQ / SKU

E4980A

LISTING

**Off-catalog — OEM dat
asheet only**

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

Features & description

From manufacturer datasheet

Features

- Frequency: 20 Hz to 2 MHz, 4-digit resolution
- Basic accuracy: 0.05% class
- Speed: ~5.6 ms (SHORT), ~88 ms (MED), ~220 ms (LONG) at 1 MHz
- Parameters: $|Z|$, $|Y|$, θ , R, X, G, B, L, C, D, Q, Rdc, Idc, Vdc
- Test signal: 100 μ V to 2 Vrms, 1 μ A to 20 mA (standard); up to 20 Vrms / 100 mA with Opt 001
- Built-in DC bias (up to 40 V with options)
- 201-point list sweep
- Interfaces: GPIB, USB, LAN (LXI-C)

E4980A Characteristics / Specifications

PARAMETER	VALUE
Model	E4980A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Precision LCR Meter
Alias	E4980A; Agilent E4980A Frequency / Accuracy
Test frequency	20 Hz to 2 MHz
Basic accuracy	0.05% (published class) Test Signal
Standard AC	100 μ V–2 Vrms; 1 μ A–20 mA
SHORT	5.6 ms/point; MED: 88 ms/point; LONG: 220 ms/point Interfaces GPIB, USB, LAN (LXI Class C) Operational Notes E4980AL is a related lower-frequency/cost sibling. Prefer Keysight E4980A datasheet 5989-4435.
Frequency	20 Hz to 2 MHz, 4-digit resolution
Speed	~5.6 ms (SHORT), ~88 ms (MED), ~220 ms (LONG) at 1 MHz
Parameters	$ Z $, $ Y $, θ , R, X, G, B, L, C, D, Q, Rdc, Idc, Vdc
Test signal	100 μ V to 2 Vrms, 1 μ A to 20 mA (standard); up to 20 Vrms / 100 mA with Opt 001
Interfaces	GPIB, USB, LAN (LXI-C)

E4980A Specifications

PARAMETER	VALUE
Applications	General R&D and manufacturing test of components and materials; capacitor/inductor evaluation; impedance spectroscopy to 2 MHz.
Key Features	- Frequency: 20 Hz to 2 MHz, 4-digit resolution
Technical Specifications	Model: E4980A
Frequency / Accuracy	Test frequency: 20 Hz to 2 MHz
Operational Notes	E4980AL is a related lower-frequency/cost sibling. Prefer Keysight E4980A datasheet 5989-4435.

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	E4980A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Precision LCR Meter
Alias	E4980A; Agilent E4980A

Frequency / Accuracy

Test frequency: 20 Hz to 2 MHz

Basic accuracy: 0.05% (published class)

Test Signal

Standard AC: 100 µV-2 Vrms; 1 µA-20 mA

Option 001: up to 20 Vrms / 100 mA; enhanced DC bias

Measurement Speed (at 1 MHz, published)

SHORT: 5.6 ms/point; MED: 88 ms/point; LONG: 220 ms/point

Interfaces

GPIB, USB, LAN (LXI Class C)

Operational Notes

E4980AL isarelated lower-frequency/cost sibling. Prefer Keysight E4980A datasheet 5989-4435.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: N/A — off-catalog OEM datasheet. See OEM documentation · Not listed on Aumictech inventory.

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.