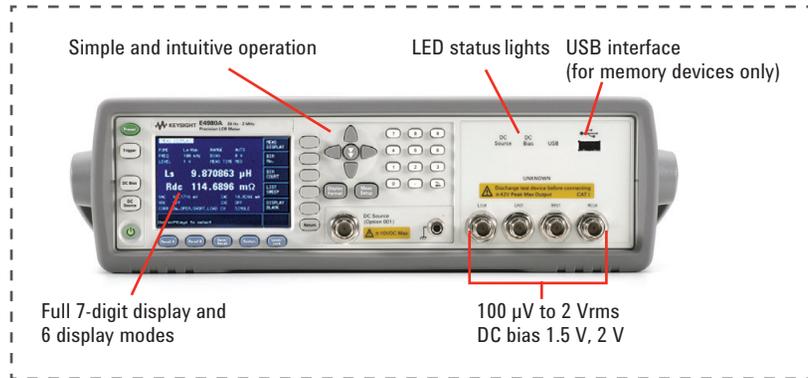


Keysight E4980AL Precision LCR Meter 20 Hz to 300 kHz/500 kHz/1 MHz

An industry standard LCR meter

Keysight Technologies, Inc. E4980AL precision LCR meter is an industry standard of basic LCR meters which provides the best combination of accuracy, speed and versatility with the frequency selections. Along with the widest variety of accessories, a broad range of component and material measurement applications in general R&D and production environments can be addressed. Frequency upgrades are also available to maximize the ROI.



Key features

1. Accurate measurements

Exceptionally low noise at both low and high impedance to improve test quality

- 0.05% basic impedance accuracy
- Open/Short/Load compensation
- Test cable extension (1/2/4 m)

2. Fast measurement speed

Fast speed with an affordable price contributes to reduce cost of tests

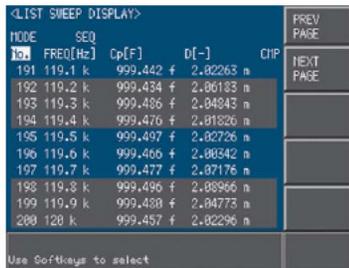
- 12 ms (SHORT), 118 ms (MED), 343 ms (LONG) @1 MHz

3. Measurement versatility

- 20 Hz to 300 kHz/500 kHz/1 MHz test frequency with 4-digit resolution
- 16 impedance parameters
- 100 uV to 2 Vrms, 1 uA to 20 mA variable test signal
- DC bias 1.5/2 V
- Auto-level control
- 201 points of programmable list sweep
- DC resistance

4. Upgradability

- 300 kHz to 500 kHz frequency upgrade
- 300 kHz to 1 MHz frequency upgrade
- 500 kHz to 1 MHz frequency upgrade
- Handler interface upgrade
- Scanner interface upgrade



List sweep mode



DCR measurement



16047A test fixture



16089B Kelvin clip lead



16047E test fixture



16034G SMD test fixture



16334A tweezers

Model

Model	Description
E4980AL	Precision LCR Meter, 20 Hz to 300 kHz/500 kHz/1 MHz

Options

Model	Description	Consist of
E4980AL-030	20 Hz to 300 kHz with DCR Measurement (without Interfaces)	E4980A-030/710/710
E4980AL-050	20 Hz to 500 kHz with DCR Measurement (without Interfaces)	E4980A-050/710/710
E4980AL-100	20 Hz to 1 MHz with DCR Measurement (without Interfaces)	E4980A-0/710/710

Note for E4980AL-030/050/100

- E4980AL is the model number for ordering the low-frequency options of E4980A
- E4980AL consists of specific options of E4980A
- Measurement time is slower than E4980A 2 MHz model. Also, Opt.001/002/005/200 cannot be installed with low-frequency options.

Upgrade Options

Model	Description
E4980ALU-050	300 kHz to 500 kHz for E4980A-030
E4980ALU-050	300 kHz to 1 MHz for E4980A-030
E4980ALU-050	500 kHz to 1 MHz for E4980A-050
E4980ALU-050	ADD Handler Interface (E4980A-201)
E4980ALU-050	ADD Scanner Interface (E4980A-301)

Application support literatures

Literature	Part number
Impedance measurement handbook	5950-3000

Recommended accessories

DUT	Fixture type	Model	Description
Lead	Axial/radial	16047A/E	Spring contact type (A)/Screw-lock type (E)
	Clip-type	16089A/B/C/D/E (5 Hz to 100 kHz)	Large clips (A)/Medium clips (B)/IC clips (C)/Alligator clips (D)/High repeatability (E)
SMD/ chip	SMD/chip	16034E/G/H	Large contact (E)/Small contact (G)/ For array components (H)
		16044A	Kelvin contacts
	Tweezers-type	16334A	Tweezers (cable length 1 m)
	Extension cable	16048A/D/E	BNC test leads (1/2/4 m)
	External DC bias	16065A/C	± 200 Vmax/± 40 Vmax

For additional information

Literature	Part number
Brochure	5991-2305EN
Data Sheet	5989-4435EN
Configuration guide	5989-8321EN

www.keysight.com/find/impedance

Three-Year Warranty

www.keysight.com/find/ThreeYearWarranty

Keysight's commitment to superior product quality and lower total cost of ownership. The only test and measurement company with three-year warranty standard on all instruments, worldwide.



Keysight Assurance Plans

www.keysight.com/find/AssurancePlans

Up to five years of protection and no budgetary surprises to ensure your instruments are operating to specification so you can rely on accurate measurements.

