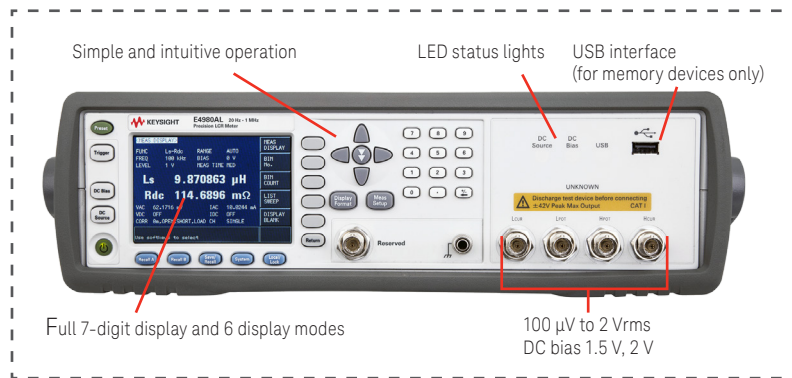


# Keysight E4980AL Precision LCR Meter

Frequency ranges: 20 Hz to 300 kHz/500 kHz/1 MHz

## An Industry Standard LCR Meter

Keysight 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

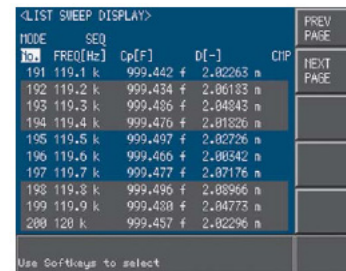
- 12 ms (SHORT), 118 ms (MED), 343 ms (LONG) @1 MHz

### 3. Measurement versatility

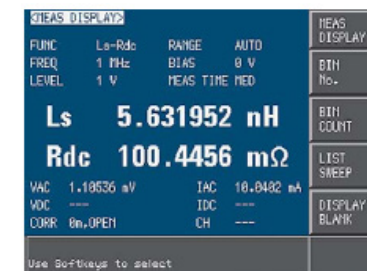
- 20 Hz to 300 kHz/500 kHz/1 MHz test frequency with 4-digit resolution
- 16 impedance parameters
- 100  $\mu$ V to 2 Vrms, 1  $\mu$ A to 20 mA variable test signal
- DC bias 1.5/2 V
- Auto-level control
- 201 points of programmable list sweep
- DC resistance

### 4. Upgradability

- 300 kHz to 500 kHz frequency upgrade
- 300 kHz to 1 MHz frequency upgrade
- 500 kHz to 1 MHz frequency upgrade



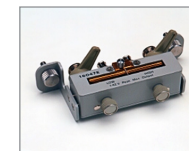
List sweep mode



DCR measurement



16047A test fixture



16047E test fixture



16034G SMD test fixture



16089B Kelvin clip lead



16334A tweezers

## Models

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

## Options

Model	Description
E4980AL-032	20 Hz to 300 kHz with DCR Measurement
E4980AL-052	20 Hz to 500 kHz with DCR Measurement
E4980AL-102	20 Hz to 1 MHz with DCR Measurement

For more details on the option configuration, refer to the configuration guide 5989-8321EN.

## Upgrade options

Model	Description
E4980ALU-052	300 kHz to 500 kHz for E4980AL-032
E4980ALU-112	300 kHz to 1 MHz for E4980AL-032
E4980ALU-113	500 kHz to 1 MHz for E4980AL-052

## Application support literatures

Literature	Part number
Impedance measurement handbook	5950-3000

### Three-Year Warranty

[www.keysight.com/find/ThreeYearWarranty](http://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](http://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.



## 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 (5 Hz to 100 kHz)	Large clips (A)/Medium clips (B)/IC clips (C)/Alligator clips (D)
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 other accessories, refer to the configuration guide 5989-8321EN.

For additional literature and product information, refer to following literatures.

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

## Recommended service options

Additional two years of Return-to-Keysight warranty

Additional two years of Return-to-Keysight calibrations

For more information go to [www.keysight.com/find/removealldoubt](http://www.keysight.com/find/removealldoubt)

[www.keysight.com/find/E4980AL](http://www.keysight.com/find/E4980AL)

To find a distributor in your area, go to: [www.keysight.com/find/distributors](http://www.keysight.com/find/distributors)