

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

HIOKI

Hioki 3532-50 LCR HiTester

Dimensions: 348 mm W × 113 mm H × 273 mmDclass (alternate listing 352 × 124 × 323 mm)
Mass: 5.7 kg approx (alternate listing 6.5 kg) Interfaces: GP-IB or RS-232C selectable, EXT I/O
Literature: Hioki 3532-50 LCR HiTester catalog Mass: 5.7 kg approx (alternate listing 6.5 kg)
Interfaces: GP-IB or RS-232C selectable, EXT I/O Literature: Hioki 3532-50 LCR HiTester
catalog Use Case: component impedance measurement



MODEL

Hioki 3532-50

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

3532-50

LISTING

<https://aumictechlabs.com/products/3532-50-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Hioki 3532-50 LCR Meter is a highly accurate and versatile instrument designed for measuring inductance (L), capacitance (C), and resistance (R). With a wide frequency range, it can accurately characterize a variety of components and materials. Its multiple measurement modes, including series, parallel, and equivalent circuit analysis, provide comprehensive testing capabilities. The meter features a user-friendly interface with a clear display and intuitive controls, making it easy to operate. Its solid design ensures reliable performance in both laboratory and production environments. Ideal for electronics manufacturing, component evaluation, and materials research.

3532 Characteristics / Specifications

PARAMETER	VALUE
Model	3532-50
Instrument Type	LCR HiTester
Measurement Frequency	42 Hz to 5 MHz ($\pm 0.005\%$)
Frequency Steps	0.1 Hz to 1 kHz; 1 Hz to 10 kHz; 10 Hz to 100 kHz; 100 Hz to 1 MHz; 1 kHz to 5 MHz
Basic Accuracy Z	$\pm 0.08\%$ rdg
Basic Accuracy Theta	$\pm 0.05^\circ$
Voltage Drive	10 mV to 5 V rms DC to 1 MHz; 50 mV to 1 V rms 1 MHz to 5 MHz; 1 mV steps
Current Drive	10 μ A to 100 mA rms DC to 1 MHz; 50 μ A to 20 mA rms 1 MHz to 5 MHz; 10 μ A steps
Maximum Short Circuit Current	100 mA rms
Output Resistance	50 Ω
Measurement Time Fast	5 ms typical $ Z $
Measurement Time Normal	21 ms typical
Measurement Time Slow	140 ms typical
Display	LCD with backlight, 99999 (3/4/5 digit)
Parameters	$ Z $, $ Y $, θ , R_p , R_s (ESR), G , X , B , C_p , C_s , L_p , L_s , D ($\tan \delta$), QZRange Class: 100 m Ω to 100 M Ω , 10 ranges
Power	100, 120, 220 or 240 V AC $\pm 10\%$, 50/60 Hz, 50 VA max
Dimensions	348 mm W $\times$ 113 mm H $\times$ 273 mm Dclass (alternate listing 352 $\times$ 124 $\times$ 323 mm)
Mass	5.7 kg approx (alternate listing 6.5 kg)
Interfaces	GP-IB or RS-232C selectable, EXT I/O
Manufacturer	Hioki
Literature	Hioki 3532-50 LCR HiTester catalog
Family	Hioki 3532 LCR HiTesters

PARAMETER	VALUE
Brand Lineage	Hioki
Form Factor	benchtop LCR meter
System Role	5 MHz LCR analyzer
Use Case	component impedance measurement
Safety	EN61010, EMC EN61326

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	
Technical Specifications	
PARAMETER	VALUE
Model	3532-50
Instrument Type	LCR HiTester
Measurement Frequency	42 Hz to 5 MHz (±0.005 %)
Frequency Steps	0.1 Hz to 1 kHz; 1 Hz to 10 kHz; 10 Hz to 100 kHz; 100 Hz to 1 MHz; 1 kHz to 5 MHz
Basic Accuracy Z	±0.08 % rdg
Basic Accuracy Theta	±0.05°
Voltage Drive	10 mV to 5 V rms DC to 1 MHz; 50 mV to 1 V rms 1 MHz to 5 MHz; 1 mV steps
Current Drive	10 µA to 100 mA rms DC to 1 MHz; 50 µA to 20 mA rms 1 MHz to 5 MHz; 10 µA steps
Maximum Short Circuit Current	100 mA rms
Output Resistance	50 Ω
Measurement Time Fast	5 ms typical Z
Measurement Time Normal	21 ms typical
Measurement Time Slow1	72 ms typical
Measurement Time Slow2	140 ms typical
Display	LCD with backlight, 99999 (3/4/5 digit)
Parameters	Z , Y , θ, Rp, Rs (ESR), G, X, B, Cp, Cs, Lp, Ls, D (tan δ), Q
Z Range Class	100 mΩ to 100 MΩ, 10 ranges
Power	100, 120, 220 or 240 V AC ±10 %, 50/60 Hz, 50 VA max
Dimensions	348 mm W × 113 mm H × 273 mm D class (alternate listing 352 × 124 × 323 mm)
Mass	5.7 kg approx (alternate listing 6.5 kg)
Interfaces	GP-IB or RS-232C selectable, EXT I/O
Manufacturer	Hioki
Literature	Hioki 3532-50 LCR HiTester catalog
Family	Hioki 3532 LCR HiTesters

PARAMETER	VALUE
Brand Lineage	Hioki
Form Factor	benchtop LCR meter
System Role	5 MHz LCR analyzer
Use Case	component impedance measurement
Safety	EN61010, EMC EN61326

Specifications

PARAMETER	VALUE
Model	3532-50
Instrument Type	LCR HiTester
Measurement Frequency	42 Hz to 5 MHz ($\pm 0.005\%$)
Frequency Steps	0.1 Hz to 1 kHz; 1 Hz to 10 kHz; 10 Hz to 100 kHz; 100 Hz to 1 MHz; 1 kHz to 5 MHz
Basic Accuracy Z	$\pm 0.08\%$ rdg
Basic Accuracy Theta	$\pm 0.05^\circ$
Voltage Drive	10 mV to 5 V rms DC to 1 MHz; 50 mV to 1 V rms 1 MHz to 5 MHz; 1 mV steps
Current Drive	10 μ A to 100 mA rms DC to 1 MHz; 50 μ A to 20 mA rms 1 MHz to 5 MHz; 10 μ A steps
Maximum Short Circuit Current	100 mA rms
Output Resistance	50 Ω
Measurement Time Fast	5 ms typical $ Z $
Measurement Time Normal	21 ms typical
Measurement Time Slow1	72 ms typical
Measurement Time Slow2	140 ms typical
Display	LCD with backlight, 99999 (3/4/5 digit)
Parameters	$ Z $, $ Y $, θ , R_p , R_s (ESR), G, X, B, C_p , C_s , L_p , L_s , D ($\tan \delta$), QZRange Class: 100 m Ω to 100 M Ω , 10 ranges
Power	100, 120, 220 or 240 V AC $\pm 10\%$, 50/60 Hz, 50 VA max
Dimensions	348 mm W $\times$ 113 mm H $\times$ 273 mmDclass (alternate listing 352 $\times$ 124 $\times$ 323 mm)
Mass	5.7 kg approx (alternate listing 6.5 kg)
Interfaces	GP-IB or RS-232C selectable, EXT I/O
Manufacturer	Hioki
Literature	Hioki 3532-50 LCR HiTester catalog

PARAMETER	VALUE
Family	Hioki 3532 LCR HiTesters
Brand Lineage	Hioki
Form Factor	benchtop LCR meter
System Role	5 MHz LCR analyzer
Use Case	component impedance measurement
Safety	EN61010, EMC EN61326

Notes

From Hioki 3532-50 LCR HiTester catalog (42 Hz-5 MHz, $\pm 0.08\%$ |Z|, 10 mV-5 V / 10 μ A-100 mA, FAST 5 ms, 50 VA). Exact enclosure millimetres differ between catalog revisions (348×113×273 mm vs 352×124×323 mm); use the unit faceplate/manual revision.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.