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Data Sheet

August 13, 2026

KEYSIGHT / AGILENT / HP

Keysight / Agilent / HP 4263B LCR Meter

Agilent 4263B LCR Meter 100 Hz to 100 kHz 0.1 percent The Agilent/HP 4263B isaproduction/bench LCR meter with 0.1 percent basic accuracy and test frequencies 100 Hz, 120 Hz, 1 kHz, 10 kHz, and 100 kHz (Option 002 adds 20 kHz). AC test level 20 mV to 1 Vrms in 5 mVrms steps. Parameters $|Z|$, R, X, $|Y|$, G, B, C, L, D, Q, theta. Option 001 adds turns ratio N, mutual inductance M, and DCR. Measurement times 25/65/500 ms (short/medium/long). Open/short/load correction. Contact check about 5 ms. Bias internal +1.5/+2.0 Vdc; external 0 to +3.0 Vdc. Cable 0/1 m to 100 kHz; 2 m to 10 kHz (20 kHz); 4 m to 1 kHz. GPIB and handler. Power 90-132 or 198-264 Vac, 47-66 Hz, 45 VA typical. Operating 0-45 C. The Agilent/HP 4263B isaproduction/bench LCR meter with 0.1 percent basic accuracy and test frequencies 100 Hz, 120 Hz, 1 kHz, 10 kHz, and 100 kHz (Option 002 adds 20 kHz). AC test level 20 mV to 1 Vrms in 5 mVrms steps. Parameters $|Z|$, R, X, $|Y|$, G, B, C, L, D, Q, theta. Option 001 adds turns ratio N, mutual inductance M, and DCR. Measurement times 25/65/500 ms (short/medium/long). Open/short/load correction. Contact check about 5 ms. Bias internal +1.5/+2.0 Vdc; external 0 to +3.0 Vdc. Cable 0/1 m to 100 kHz; 2 m to 10 kHz (20 kHz); 4 m to 1 kHz. GPIB and handler. Power 90-132 or 198-264 Vac, 47-66 Hz, 45 VA typical. Operating 0-45 C. Electrolytic capacitor and transformer production



MODEL

**Keysight / Agilent /
HP 4263B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

4263B

LISTING

[https://aumictechlabs.c
om/products/4263b-2/](https://aumictechlabs.com/products/4263b-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight/Agilent/HP 4263B is a precision LCR meter engineered for rapid, accurate measurement of inductance, capacitance, resistance, and impedance across component production lines and benchtop verification workflows. Operating at 0.1% basic accuracy with measurement times as fast as 25 ms, the 4263B delivers reliable characterization of passive components in quality control, design validation, and component evaluation environments.

Technical Specifications The 4263B measures inductance (L), capacitance (C), resistance (R), impedance ($|Z|$), reactance (X), conductance (G), susceptance (B), admittance ($|Y|$), quality factor (Q), dissipation factor (D), and phase angle (θ). With Option 001, the instrument also quantifies turns-ratio (N), mutual inductance (M), and DC resistance (R_{dc}). Test frequencies include 100 Hz, 120 Hz, 1 kHz, 10 kHz, and 100 kHz. Option 4263B-002 extends capability to 20 kHz. AC test signal levels range from 20 mV_{rms} to 1 V_{rms}, adjustable in 5 mV_{rms} increments. Measurement time settings support Medium or Long modes, with cable length correction at 0, 1, 2, and 4 meters. Internal DC bias selections are 1.5 V_{dc} and 2.0 V_{dc}. External bias voltage reaches ± 200 V DC maximum via the 16065A interface, or ± 40 V DC maximum with the 16065C adapter. Capacitor discharge protection operates internally with maximum voltage ratings of $\pm(8/C)$ V typical up to 250 V, and $\pm(2/C)$ V typical up to 1000 V (C in Farads).

Key Features Open, short, and load error correction LCD display with backlight GPIB interface with isolated handler signals (HIGH/IN/LOW, No-Contact, EOM, Index, Alarm, Keylock, External Trigger) Ten-position setup memory with 72-hour retention at 23° $\pm$ 5°C Power: 90–132 Vac or 198–264 Vac, 47–66 Hz, 45 VA typical

Typical Applications Production-line component evaluation, impedance characterization, quality assurance testing, and design verification of passive components across standard and extended frequency ranges.

Compatibility & Integration Supports a comprehensive family of test fixtures: 16047A/E spring-contact types for axial and radial leads; 16089A/B/C/D/E clip-type fixtures for large, medium, IC, and alligator-clip applications; and 16034E/G/H SMD/chip fixtures with large and small contact options for array components.

4263B Characteristics / Specifications

PARAMETER	VALUE
Model	4263B
Manufacturer	Hewlett Packard / Agilent / Keysight
Instrument Type	LCR meter
Series	4263
Alias	4263B; HP 4263B
Basic Accuracy	0.1 percent
Test Frequencies	100 Hz, 120 Hz, 1 kHz, 10 kHz, 100 kHz
AC Test Level	20 mV to 1 Vrms in 5 mVrms steps
Parameters	$ Z $, R, X, $ Y $, G, B, C, L, D, Q, theta LRange Class: 10 nH to 100 kH DRange: 0.0001 to 9.9999
Measurement Time Short	25 ms
Measurement Time Medium	65 ms
Measurement Time Long	500 ms
Contact Check	typically 5 ms
Corrections	open, short, load
Bias Internal	plus 1.5 V and plus 2.0 Vdc
Bias External	0 to plus 3.0 Vdc
Cable 100 kHz	0 or 1 m
Cable 10 kHz	0, 1, or 2 m
Cable 1 kHz	0, 1, 2, or 4 m
Trigger Delay	0 to 9999 ms in 1 ms steps
Save Recall	10 instrument states
Comparator	HIGH / IN / LOW per parameter
Interfaces	GPIB and handler
AC Power	90-132 Vac or 198-264 Vac
Power Frequency	47 to 66 Hz

PARAMETER	VALUE
Power Consumption	45 VA typical
Operating Temperature	0 to 45 C
Digits	5
Frequency Accuracy Class	plus/minus 0.01 percent (100 Hz, 1 kHz, 10 kHz, 20 kHz, 100 kHz); plus/minus 1 percent at 120 Hz Notes Specs from Agilent 4263B data sheet (0.1%, 100/120/1k/10k/100k Hz, 20 mV-1 Vrms, 25/65/500 ms). Confirm Option 001 transformer functions and Option 002 20 kHz.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 to 45 C
Operating Temperature	0 to 45 C
Digits	5
Frequency Accuracy Class	plus/minus 0.01 percent (100 Hz, 1 kHz, 10 kHz, 20 kHz, 100 kHz); plus/minus 1 percent at 120 Hz Notes Specs from Agilent 4263B data sheet (0.1%, 100/120/1k/10k/100k Hz, 20 mV-1 Vrms, 25/65/500 ms). Confirm Option 001 transformer functions and Option 002 20 kHz.

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	4263B
Manufacturer	Hewlett Packard / Agilent / Keysight
Instrument Type	LCR meter

Specifications

PARAMETER	VALUE
Series	4263
Alias	4263B; HP 4263B
Basic Accuracy	0.1 percent

Test Frequencies: 100 Hz, 120 Hz, 1 kHz, 10 kHz, 100 kHz

Option 002 Frequency: 20 kHz

AC Test Level: 20 mV to 1 Vrms in 5 mVrms steps

Parameters: |Z|, R, X, |Y|, G, B, C, L, D, Q, theta LRange Class: 10 nH to 100 kH DRange: 0.0001 to 9.9999

Option 001 DCR: 1 mohm to 100 Mohm class

Option 001 M: 1 uH to 100 H typical

Option 001 N: 0.9 to 200 typical

Specifications

PARAMETER	VALUE
Measurement Time Short	25 ms
Measurement Time Medium	65 ms
Measurement Time Long	500 ms

Specifications

PARAMETER	VALUE
Contact Check	typically 5 ms
Corrections	open, short, load
Bias Internal	plus 1.5 V and plus 2.0 Vdc

Specifications

PARAMETER	VALUE
Bias External	0 to plus 3.0 Vdc
Cable 100 kHz	0 or 1 m
Cable 10 kHz	0, 1, or 2 m

Specifications

PARAMETER	VALUE
Cable 1 kHz	0, 1, 2, or 4 m
Trigger Delay	0 to 9999 ms in 1 ms steps
Save Recall	10 instrument states

Specifications

PARAMETER	VALUE
Comparator	HIGH / IN / LOW per parameter
Interfaces	GPIB and handler
AC Power	90-132 Vac or 198-264 Vac

Specifications

PARAMETER	VALUE
Power Frequency	47 to 66 Hz
Power Consumption	45 VA typical
Operating Temperature	0 to 45 C

Digits: 5

Frequency Accuracy Class: plus/minus 0.01 percent (100 Hz, 1 kHz, 10 kHz, 20 kHz, 100 kHz); plus/minus 1 percent at 120 Hz

Notes

Specs from Agilent 4263B data sheet (0.1%, 100/120/1k/10k/100k Hz, 20 mV-1 Vrms, 25/65/500 ms). Confirm Option 001 transformer functions and Option 002 20 kHz.

Ordering Information

OPTION	DESCRIPTION
Option 002	adds 20 kHz). AC test level 20 mV to 1 Vrms in 5 mVrms steps. Parameters $ Z $, R, X, $ Y $, G, B, C, L, D, Q, theta. Option 001 adds turns ratio N, mutual inductan
Option 001	DCR: 1 mohm to 100 Mohm class

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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NIST-traceable calibration · SAM registered ·
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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.