

Keysight 4263B LCR Meter

Frequency ranges: 100 Hz to 100 kHz

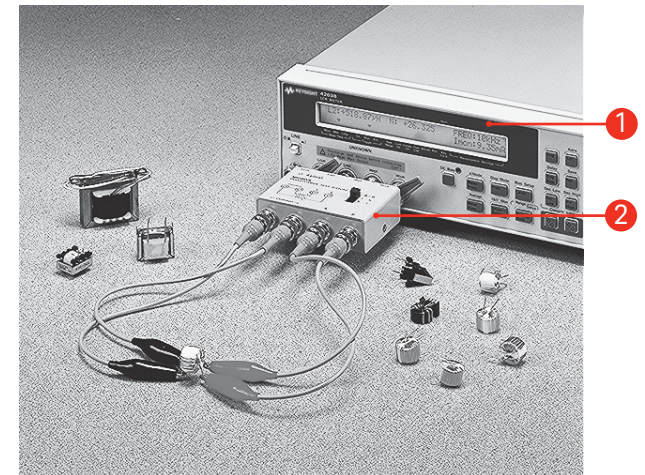
Cost-effective LCR Meter that Addresses Many Applications

Keysight Technologies, Inc. 4263B LCR meter is a cost-effective universal LCR Meter, designed for both production test and evaluating a variety of components.



Key features

1. High-quality measurement
 - 11 impedance parameters (Z, Y, L, C, R, X, G, B, D, Q, θ)
 - 0.1% basic accuracy
 - Test signal I and V monitoring function
 - Broad selection range of test fixtures
2. Efficient electrolytic capacitor measurement
 - High speed measurements even at low frequencies (25 ms @100 Hz/120 Hz)
 - Circuit protection against capacitor discharge (4 J)
 - Internal DC bias (1.5 V, 2 V)
 - Accurate low impedance measurement
3. Transformer measurement capability (Option 4263B-001)
 - N, M, DCR measurement functions
 - 16060A transformer test fixture to minimize the need of DUT connection changes



1. 4263B
2. 16060A

4. Ease of system integration
 - GPIB and handler interfaces
 - Built-in comparator
 - Contact check function
 - Up to 4 m cable extension

Models

Model	Description
4263B	LCR meter, 100 Hz to 100 kHz

Options

Model	Description
4263B-001	Add N/M/DCR measurement function
4263B-002	Add 20 kHz measurement
4263B-1CM	Rack mount kit
4263B-1CN	Front handle kit
4263B-ABA	U.S. English localization
4263B-ABJ	Japan – Japanese localization
4263B-OBW	Service manual
4263B-1A7	ISO 17025 compliant calibration
4263B-A6J	ANSI Z540 compliant calibration

For more details on the option configuration, refer to the configuration guide 5989-8317EN.

Upgrade options

Refer to the configuration guide 5989-8317EN for the upgrades.

Application support literatures

Literature	Publication number
Impedance Measurement Handbook - 4th Edition - Application Note	5950-3000
Effective Electrolytic Capacitors Testing - Application Note	5967-5378E
Effective Transformer/LF Coil Testing – Application Note	5967-5377E

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

Literature	Publication number
4263B LCR Meter 100 Hz to 100 kHz - Technical Overview	5964-6181E
4263B LCR Meter, 100 Hz to 100 kHz - Configuration Guide	5989-8317EN

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	Large clips (A)/medium clips (B)/IC clips (C)/alligator clips (D)/high repeatability (E)
		16060A	Transformer test fixture (Option 4263B-001 is required)
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	± 200 V DC max.
		16065C	Adapter, ± 40 V DC max.

For other accessories, refer to the configuration guide 5989-8317EN.

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