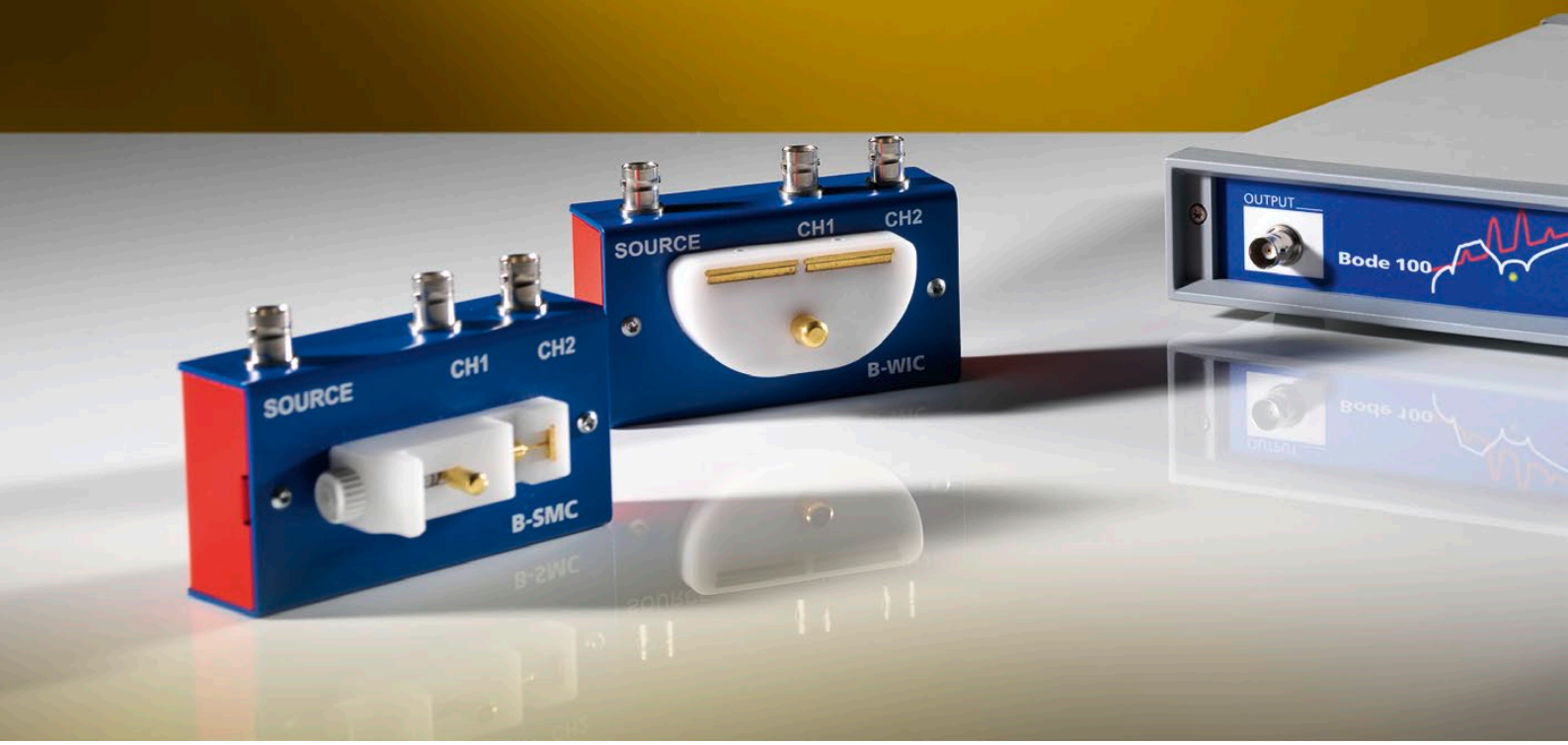
B-WIC & B-SMC

Impedance Test Adapters



In combination with the Vector Network Analyzer Bode 100, the impedance adapters B-WIC and B-SMC are the perfect choice for **impedance measurements** of **passive electronic components**. The B-WIC is especially designed for through hole type components, while the B-SMC is the ideal adapter for all common passive surface mount devices.

Key Features

- Optimized for LCR-Q measurements of passive electronic components
- Measurement of complex impedance (magnitude and phase)
- Extremely wide frequency range: 1 Hz – 40 MHz
- Fast test object exchange
- CE compliant, RoHS compliant

Connectors

- Source input: BNC
- Measurement outputs CH1 & CH2: BNC
- Connector for test object: Gold plated electrodes with spring mechanics for low contact resistance and reproducible results

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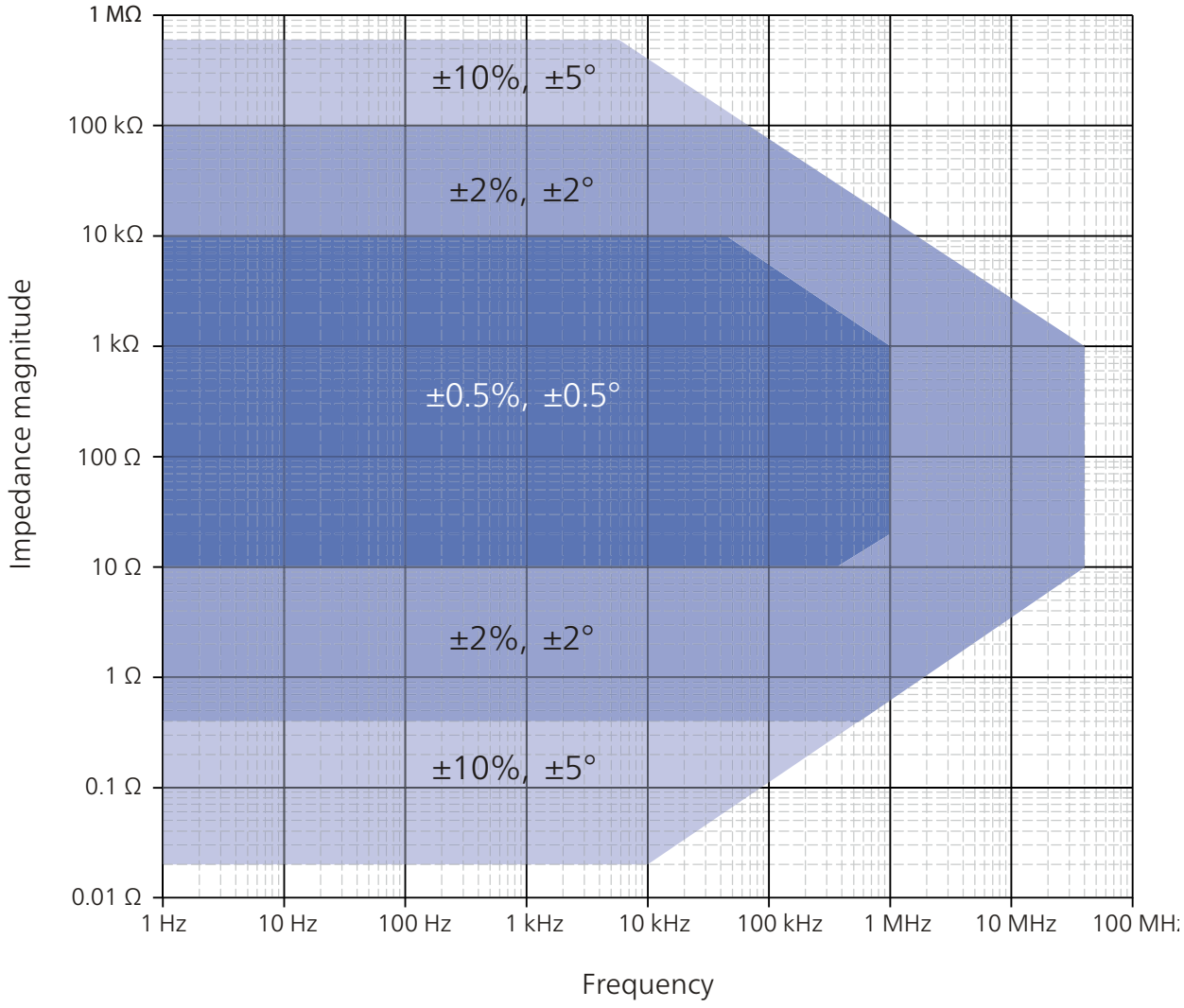
Electrical characteristics

Usable frequency range:	1 Hz – 40 MHz
Typical impedance range[1]:	0.02 Ω – 600 kΩ

Mechanical characteristics

Dimensions[2]:	100.5 x 68.2 x 55.5 mm
	3.96″ x 2.69″ x 2.19″
Weight:	B-SMC 0.13 kg / 0.29 lbs
	B-WIC 0.16 kg / 0.35 lbs

Typical impedance measurement accuracy[3]:



[1] Usable impedance magnitude range depends on frequency.
[2] Overall dimensions inlcuding connectors.
[3] Maximum deviation from results achieved with Agilent E4980A precision LCR-meter. Open calibration of B-SMC adapter performed with an adapter electrode distance equal to the test object size. Measurement done with 10 Hz receiver bandwidth. Above 2 MHz the basic equipment accuracy of the Bode 100 applies.