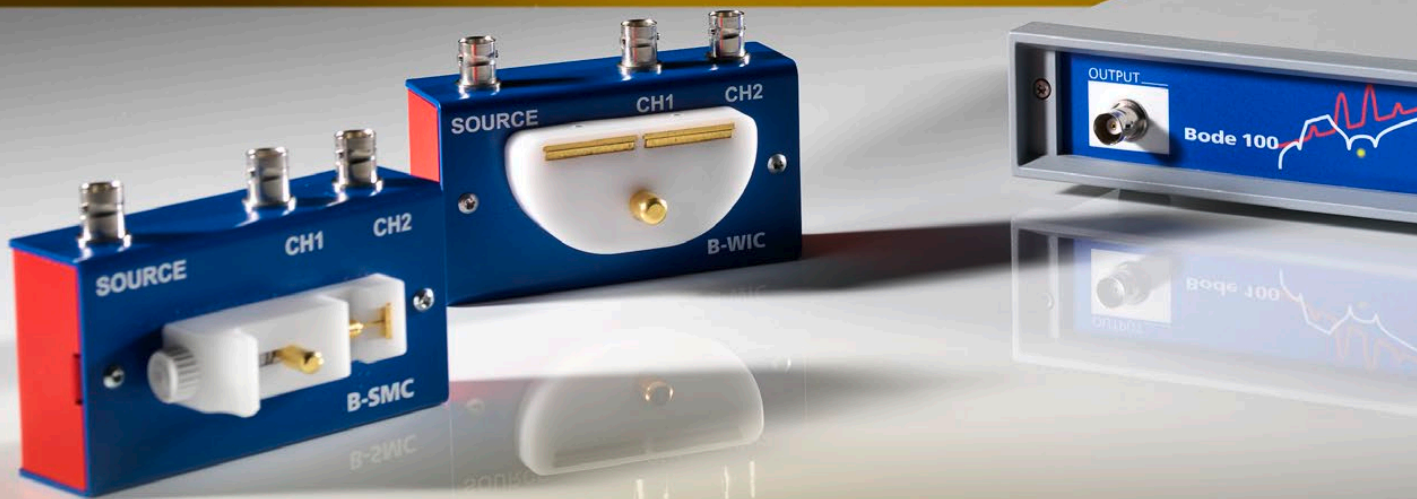


# Impedance Test Adapters

## B-WIC & B-SMC



In combination with the Vector Network Analyzer Bode 100, the impedance test fixtures 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 –50 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



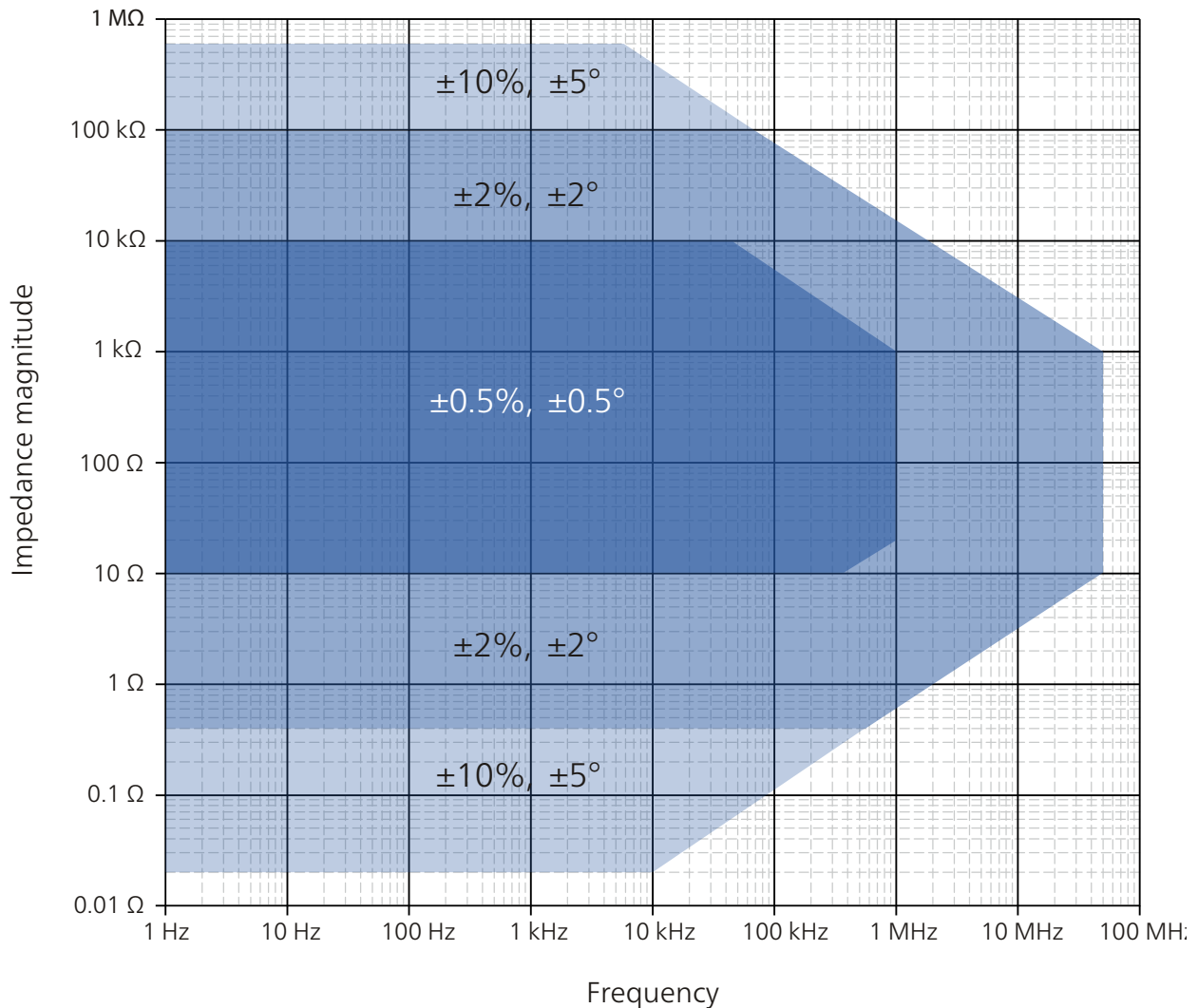
## Electrical characteristics

Usable frequency range: 1 Hz – 50 MHz  
Typical impedance range<sup>1</sup>: 0.02 Ω – 600 kΩ

## Mechanical characteristics

Dimensions<sup>2</sup>: 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<sup>3</sup>:



<sup>1</sup> Usable impedance magnitude range depends on frequency.

<sup>2</sup> Overall dimensions including connectors.

<sup>3</sup> 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.

Product specifications and descriptions in this document are subject to change without notice.