

KEYSIGHT TECHNOLOGIES (AGILENT HP)

16195B

The Keysight 16195B is a high-precision 7 mm (APC-7) coaxial calibration kit designed for RF impedance analyzers and LCR meters operating at frequencies up to 3 GHz. The kit provides essential genderless calibration standards—including an Open, Short, 50 Ω Load, and a Low-loss Capacitor—necessary to perform accurate system calibrations, establish reference planes, and minimize measurement uncertainties.

SPECIFICATIONS

Physical

Operating Temperature	15 °C to 35 °C °C
Dimensions (W×H×D)	350 mm × 100 mm × 200 mm mm
Weight	2.0 kg kg

General Specifications

Frequency Range	DC to 3 GHz
Nominal Impedance	50 Ω
Connector Type	7 mm (APC-7)
Connector Gender	Genderless
Compatible Analyzers	Keysight E4991A, E4991B, 4287A
Calibration Methods Supported	Open, Short, Load, Low-loss Capacitor Calibration

Open Standard Specifications

Open Standard Connector	7 mm (APC-7), Genderless
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Short Standard Specifications

Short Standard Connector	7 mm (APC-7), Genderless
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Broadband Load Standard Specifications

Load Standard Connector	7 mm (APC-7), Genderless
Load Standard DC Resistance	50 Ω nominal

Low-loss Capacitor Standard Specifications

Low-loss Capacitor Standard Connector	7 mm (APC-7), Genderless
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Kit Contents & Physical Properties

Open Standard Quantity	1x
Short Standard Quantity	1x
50 Ω Load Standard Quantity	1x
Low-loss Capacitor Standard Quantity	1x
Torque Wrench	Included (1x)
Carrying Case	Included (protective storage case)

Electrical Specifications

Load Standard SWR (DC to 1 GHz)	≤ 1.01
Load Standard SWR (1 GHz to 3 GHz)	≤ 1.02

Environmental

Calibration Temperature Range	15 °C to 35 °C
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TECHNOLOGY

RF Calibration

APPLICATIONS

Impedance and LCR Meter Calibration

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.