

Keysight 16195B Calibration Kit

Notices

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1 General Information

This chapter provides the Keysight Technologies 16195B description, characteristics, and related general information.

Description

The Keysight 16195B is a calibration kit for the Keysight RF LCR Meter or Impedance/Material Analyzer. The calibration using the Keysight 16195B is performed on the 7 mm connector plane.

Kit Contents

The calibration kit contents are listed in [Table 1-1](#).

Table 1-1

Contents of the 16195B

Description	Keysight Part No.	ROHS Compliant Keysight Part No.	Qty.
50 Ω Termination	04287-60021	04287-60021	1
Open Termination	E4991-60022	E4991-60022	1
Short Termination	E4991-60021	E4991-60021	1
Low-Loss Capacitor	04287-60022	04287-60032	1
Carrying Case	16195-60002	16195-60041	1

Initial Inspection

Inspect the shipping container for damage. If the shipping container or cushioning material is damaged, it should be kept until the shipping contents have been checked for completeness and the performance test kit has been checked mechanically and electrically. The shipping contents should consist of the items shown in [Table 1-1](#). If the shipment is incomplete, or if there is mechanical damage or other defects, notify your nearest Keysight Technologies office. If the shipping container is damaged, or the cushioning material shows signs of stress, notify the carrier as well as the Keysight Technologies office. Keep the shipping materials for the carrier's inspection.

Characteristics

This section provides the characteristics of the Keysight 16195B calibration kit.

Electrical Characteristic

The nominal values of the kit are shown in [Table 1-2](#).

Table 1-2

Nominal Values

OPEN Conductance	0 S
OPEN Capacitance	82 fF
SHORT Resistance	0 Ω
SHORT Inductance	0 H
50 Ω Resistance	50 Ω
50 Ω Inductance	0 H

NOTE

The low loss capacitor does not have a defined value.

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Operating Conditions

The calibration kit must be operated under the ambient environmental conditions shown in **Table 1-3**.

Table 1-3

Operating Conditions

Temperature	23 °C ± 5 °C
Relative Humidity	≤ 70% at 28 °C
Altitude	0 m to 4500 m

Storage Conditions

The calibration kit must be stored under the ambient environmental conditions shown in **Table 1-4**.

Table 1-4

Storage Conditions

Temperature	-40 °C to +75 °C
Relative Humidity	≤ 95% at 40 °C
Altitude	0 m to 15000 m

Carrying Case Dimensions

The carrying case dimensions are;
350 mm (W) × 100 mm (H) × 270 mm (D)

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2 Service

This chapter provides information of the 16195B service.

Service

If your calibration kit requires service, contact the nearest Keysight Technologies office. When you send your kit to Keysight Technologies, please provide following information.

- Your company name and address
- A technical contact person within your company, and the person's phone and fax number
- The model number and serial number of your kit
- The type of service required
- A detailed description of the problem

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