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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 16190B

HP Agilent Keysight 16190B 7 mm Performance Test Kit for Impedance Analyzers The Keysight 16190B is a 7 mm performance test kit used to verify impedance-measurement accuracy of LCR meters and impedance analyzers with a 7 mm terminal. OEM impedance-accessories catalog lists a 50 ohm 7 mm airline, 50 ohm termination, open, short, 350 × 100 × 270 mm case, 2.0 kg, and applicability to E4982A, E4990A plus 42942A (Option 120), and E4991B. Periodic performance verification of 7 mm RF impedance analyzers using airline and termination standards. The Keysight 16190B is a 7 mm performance test kit used to verify impedance-measurement accuracy of LCR meters and impedance analyzers with a 7 mm terminal. OEM impedance-accessories catalog lists a 50 ohm 7 mm airline, 50 ohm termination, open, short, 350 × 100 × 270 mm case, 2.0 kg, and applicability to E4982A, E4990A plus 42942A (Option 120), and E4991B. Periodic performance verification of 7 mm RF impedance analyzers using airline and termination standards. Calibration data on diskette plus calibration report



MODEL

**Agilent / Keysight
16190B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

16190B

LISTING

<https://aumictechlabs.com/products/16190b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight 16190B is a performance test kit engineered to verify impedance measurement accuracy across LCR meters and impedance analyzers equipped with 7 mm measurement terminals. By providing known impedance standards - including Open, Short, and 50 Ω

terminations - the kit enables users to confirm instrument precision and ensure measurement reliability in manufacturing, research, and development environments where component evaluation demands traceability and documented performance.

Technical Specifications

Connector Interface: 7 mm measurement terminal

Included Standards: Open, Short, and 50 Ω terminations for calibration verification

Dimensions: 350 mm (W) $\times$ 100 mm (H) $\times$ 270 mm (D)

Weight: 2.0 kg

Furnished Accessories: Terminal connectors, protection caps, wrench, carrying case, calibration data diskette, calibration report, and operating notes

Key Features

Passive reference standards require no external power or active electronics

Supplied with calibration report and historical calibration data for traceability

Compact kit design accommodates benchtop and field-based verification workflows

Protection caps and carrying case preserve standard condition and enable portable deployment

Typical Applications

Performance validation of LCR meters prior to production testing

Periodic verification of impedance analyzer measurement accuracy

Quality assurance confirmation in electronics manufacturing environments

Research and development component characterization verification

Compatibility & Integration

The 16190B connects directly to Keysight impedance measurement instruments with 7 mm measurement terminals. Compatible models include: Keysight E4991A, Keysight 4287A, Keysight 4291B, Keysight 4294A (with 42942A adapter)

Operational procedures and integration guidance are detailed in each instrument's operation and service manual.

16190B Characteristics / Specifications

PARAMETER	VALUE
Model	16190B
Instrument Type	7 mm performance test kit
Terminal Connector	7 mm
Airline Impedance	50 ohm
Termination Impedance	50 ohm
Standards Included	airline, 50 ohm termination, open termination, short termination
Dimensions	350 mmWx 100 mmHx 270 mmDWeight: 2.0 kg
Applicable E4982a	yes
Applicable E4991b	yes
Applicable E4990a	with 42942A and Option 120
Protection Caps Airline	1401-0123 quantity 2
Termination Protection Caps	16190-25011 quantity 3
Wrench	8710-1770 1/2 and 8/15 open end
Operating Note	16190-90020
Calibration Report	included
Calibration Data Media	floppy diskette for calibration data
Carrying Case	included
Use Case	verify 7 mm impedance accuracy
Manufacturer	HP Agilent Keysight
Related Connector	APC-7 / 7 mm
Brand Lineage	Hewlett Packard Agilent Keysight

16190B Specifications

PARAMETER	VALUE
Applications	Periodic performance verification of 7 mm RF impedance analyzers using airline and termination standards.
Key Features	50 ohm 7 mm airline
Calibration data on diskette plus calibration report	1/2 and 8/15 open-end wrench 8710-1770
Technical Specifications	Model: 16190B

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Performance Test Kit for Impedance Analyzers

Overview

The Keysight 16190B is a 7 mm performance test kit used to verify impedance-measurement accuracy of LCR meters and impedance analyzers with a 7 mm terminal. OEM impedance-accessories catalog lists a 50 ohm 7 mm airline, 50 ohm termination, open, short, 350 x 100 x 270 mm case, 2.0 kg, and applicability to E4982A, E4990A plus 42942A (Option 120), and E4991B.

Applications

Periodic performance verification of 7 mm RF impedance analyzers using airline and termination standards.

Key Features

50 ohm 7 mm airline

Open short and 50 ohm terminations

Calibration data on diskette plus calibration report

1/2 and 8/15 open-end wrench 8710-1770

Carrying case

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	16190B
Instrument Type	7 mm performance test kit
Terminal Connector	7 mm
Airline Impedance	50 ohm
Termination Impedance	50 ohm
Standards Included	airline, 50 ohm termination, open termination, short termination
Dimensions	350 mm W x 100 mm H x 270 mm D
Weight	2.0 kg
Applicable E4982a	yes
Applicable E4991b	yes
Applicable E4990a	with 42942A and Option 120
Protection Caps Airline	1401-0123 quantity 2
Termination Protection Caps	16190-25011 quantity 3
Wrench	8710-1770 1/2 and 8/15 open end
Operating Note	16190-90020
Calibration Report	included
Calibration Data Media	floppy diskette for calibration data
Carrying Case	included

PARAMETER	VALUE
Use Case	verify 7 mm impedance accuracy
Manufacturer	HP Agilent Keysight
Related Connector	APC-7 / 7 mm
Brand Lineage	Hewlett Packard Agilent Keysight

Technical Specifications

PARAMETER	VALUE
Model	16190B
Instrument Type	7 mm performance test kit
Terminal Connector	7 mm
Airline Impedance	50 ohm
Termination Impedance	50 ohm
Standards Included	airline, 50 ohm termination, open termination, short termination
Dimensions	350 mmWx 100 mmHx 270 mmDWeight: 2.0 kg
Applicable E4982a	yes
Applicable E4991b	yes
Applicable E4990a	with 42942A and Option 120
Protection Caps Airline	1401-0123 quantity 2
Termination Protection Caps	16190-25011 quantity 3
Wrench	8710-1770 1/2 and 8/15 open end
Operating Note	16190-90020
Calibration Report	included
Calibration Data Media	floppy diskette for calibration data
Carrying Case	included
Use Case	verify 7 mm impedance accuracy
Manufacturer	HP Agilent Keysight
Related Connector	APC-7 / 7 mm
Brand Lineage	Hewlett Packard Agilent Keysight

Notes
From Keysight Accessories Catalog for Impedance Measurements 16190B section. Use the host instrument operation/service manual procedure when applying these standards.

Ordering Information

OPTION	DESCRIPTION
Option 120	Protection Caps Airline: 1401-0123 quantity 2

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

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<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.