

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

FLUKE

Fluke 1653B Multifunction Tester Installation Kit

The Fluke 1653B-Kit is a comprehensive installation tester kit designed for verifying the safety of electrical installations in domestic, commercial, and industrial applications. It performs a wide range of tests including continuity, insulation resistance, loop and line impedance, RCD testing, and earth resistance testing. The kit includes essential accessories for efficient testing and reporting.



MODEL

Fluke 1653B-Kit

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

1653B-Kit

LISTING

<https://aumictechlabs.com/products/1653b-kit-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Fluke 1653B Installation Tester is a versatile tool for verifying the safety of electrical installations. It has comprehensive testing capabilities, including continuity, insulation resistance, loop/line impedance, RCD performance, and earth resistance. The kit includes the Fluke 1653B tester, along with test leads, probes, and a carrying case. It has functions such as fast voltage measurement, automatic RCD testing, and a loop impedance measurement with high test current. It is an ideal tool for electrical contractors and technicians.

1653BKIT Characteristics / Specifications

PARAMETER	VALUE
Base Model	Fluke 1653B
AC Voltage Range	500 V
AC Voltage Resolution	0.1 V
AC Voltage Accuracy 50 to 60 Hz	plus or minus (0.8 percent plus 3 digits)
AC Voltage Input Impedance	3.3 Mohm
Overload Protection Voltage	660 Vrms
Continuity Ranges	20 ohm 200 ohm 2000 ohm
Continuity Test Current	greater than 200 mA
Continuity Open Circuit Voltage	greater than 4 V
Continuity Accuracy	plus or minus (1.5 percent plus 3 digits)
Insulation Test Voltages	50 100 250 500 1000 V
Insulation Accuracy 500 V Class	plus or minus (1.5 percent plus 3 digits)
Loop Impedance Ranges	20 ohm 200 ohm 2000 ohm
Loop Accuracy Non Trip Mode	plus or minus (3 percent plus 6 digits)
Loop Accuracy Hi Current Mode	plus or minus (2 percent plus 4 digits)
Max Test Current At 230 V Class	12 A sinusoidal for 10 ms
Earth Resistance Accuracy 200 ohm	plus or minus (2 percent plus 5 digits)
Size Class	10 cm x 25 cm x 12.5 cm
Weight With Batteries	1.3 kg
Battery	6 x AA
Battery Life Typical Idling	200 hours
Safety Category	500 V CAT III 300 V CAT IV
Operating Temperature	minus 10 C to 40 C
Sealing	IP40
Alias Of	fluke-1653b

1653BKIT Specifications

PARAMETER	VALUE
Fluke 1653B Kit Multifunction Installation Tester	Overview
Applications	Same as 1653B fixed-wiring safety verification where paperwork lists a Kit suffix for bundled leads probes or soft case contents.
Variable RCD test current settings	Insulation voltages 50 100 250 500 1000 V
Earth resistance measurement	Memory for documenting results on 1653B class
Technical Specifications	Base Model: Fluke 1653B

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	minus 10 C to 40 C
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Sealing	IP40
Alias Of	fluke-1653b Notes Alias of fluke-1653b for Kit-bundled inventory labels. Shared numeric table from Fluke 1653B official product specifications; confirm kit contents against packing list.

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.

specifications cover AC voltage to 500 V, continuity greater than 200 mA, insulation 50 to 1000 V, loop/line impedance, RCD testing, and earth resistance.

Applications

Same as 1653B fixed-wiring safety verification where paperwork lists a kit suffix for bundled leads probes or soft case contents.

Key Features

High current and non-trip loop impedance modes

Variable RCD test current settings

Insulation voltages 50 100 250 500 1000 V

Earth resistance measurement

Memory for documenting results on 1653B class

Technical Specifications

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Notes

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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

Aumictech

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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.