



Installation Testers

Safety and performance are two of the most critical requirements for any electrical system. Good quality insulation, a properly working grounding system and active protection assure the safety of people, electrical systems and buildings, and protect them against electrocution, fire and other equipment damage.

Fluke 1660 Series Multifunction Installation Testers



Fluke 1664 FC



Fluke 1663



Fluke 1662



Fluke 1660 Series Multifunction Installation Testers verify the safety of electrical installations in domestic, commercial and industrial applications. They can ensure that fixed wiring is safe and correctly installed to meet the requirements of IEC 60364 and all relevant local standards.

Three-year warranty.

Fluke 1664 FC – The complete tester for advanced users

The Fluke 1664 FC is the only installation tester that protects connected appliances from damage during insulation tests, and allows you to share your test results wirelessly by smartphone with coworkers or customers. Fluke's patented Insulation PreTest stops you from performing tests with appliances that are connected to the system during test. This helps eliminate accidental damage and keeps your customers happy.

In addition, the Fluke 1664 FC offers you the power of Fluke Connect™. Now you can send test results straight from your Fluke 1664 FC to your smartphone, and transmit those results to other members of your team.

Fluke 1663 - The ideal tester for professional troubleshooters

This instrument is ideal for professional users' high-end functionality, advanced measurement capability, yet it is still easy to use.

Fluke 1662 - A solid, basic installation tester

The Fluke 1662 gives you Fluke reliability, simple operation and all the testing power you need for basic installation testing.

Measurement function	1664 FC	1663	1662
Insulation PreTest safety function	•	–	–
Insulation at L-N, N-PE inputs	•	–	–
Auto Test sequence	•	–	–
Loop and line resistance–mΩ resolution	•	–	–
Continuity at L-N, N-PE inputs	•	•	–
Test smooth dc sensitive RCDs (Type B/B+)	•	•	–
Earth resistance	•	•	–
Wiring polarity checker, detects broken PE and N wires	•	•	•
Insulation resistance	•	•	•
Continuity and resistance	•	•	•
Measure motor windings with continuity test (@ 10 mA)	•	•	•
Loop and line resistance	•	•	•
Prospective earth fault current (PEFC/IK)	•	•	•
Prospective short-circuit current (PSC/IK)	•	•	•
RCD trip time	•	•	•
RCD trip current (ramp test)	•	•	•
Measures trip time and current for RCD type A and AC in one test	•	•	•
Automatic RCD test sequence	•	•	•
Phase sequence test	•	•	•
Other features			
Fluke Connect™ compatibility	•	–	–
ShareLive™ calling	•	–	–
On/Off switchable auto-start for RCD and Loop test	•	•	•
Self-test	•	•	•
Memory, interface			
Z Max memory	•	•	–
Memory	•	•	•
IR-USB and BLE interface (when used with optional FVF software)	IR-USB/BLE	IR-USB	IR-USB

Recommended Accessories



TLK290
Flexible Socket
Probe Set



FLK-166X-MTC-AU
Test Cable Assembly
Mains Test Lead



TP165X
Remote Control Probe



ES165X
Earth Spike Test Kit
(Fluke 1663 and
1664 FC)



FVF-SC2
FlukeView™ Forms
Software (Fluke 1662)



Zero Adapter
Null Adapter

Complete Package with Fluke FVF-SC2 Software



To address the increasing demands for reporting and documentation, we've added FlukeView™ Forms Software to the Fluke 1663 and 1664 FC Testers.

Included Accessories

Six AA (IEC LR6) Batteries, C1600 Hard Carrying Case, Zero Adapter, Heavy Duty Mains Cord, STD Standard Test Lead Set, Padded Carrying and Waist Strap, Quick Reference Guide, TP165X Remote Control Probe and Lead Set, User Manual on CD.

Ordering Information

Fluke 1664 FC Multifunction Installation Tester with Auto Test, Insulation PreTest, Fluke Connect™ compatibility with FlukeView™ Forms Software

Fluke 1663 Multifunction Installation Tester with FlukeView™ Forms Software

Fluke 1662 Multifunction Installation Tester

Contact your local distributor for price and availability.
fluke.com/wtb

Multifunction Installation Testers

