

TECHNICAL DATA

Fluke 1664 FC Installation Multifunction Testers



Key features

Multifunction tester that tests to all local regulations

- Includes "Insulation Pre-test" that detects when appliances are connected to the system and stops the test
- Runs seven installation tests automatically in one sequence with a single connection through Auto Test
- Allows you to share test results in real time over your smartphone via Fluke Connect Measurements
- 6 mA RDC-DD testing for EV charging stations

Product overview: Fluke 1664 FC Installation Multifunction Testers

The Fluke 1664 FC Multifunction Installation Tester helps expedite installations

The 1664 FC puts a lot of testing power in your hands to quickly and efficiently test to all local regulations, protect appliances, and share test results in real time over your smartphone.

Test EV charging station RCD type A-EV or RDC-DD DC protection devices

Perform tests on EV charging station DC protection devices using the RCD type B (smooth DC currents) VAR mode, which generates the test currents for RCD type A-EV or RDC-DD acc. to IEC 62955 (6/60/200 mA and ramp <2 to 6 mA

ramp). This allows the quick and easy testing of additional 6 mA DC monitors on charging points and can be used in conjunction with the Fluke FEV100 or FEV300.

Protect appliances from accidental damage

The Fluke 1664 FC is the only tester with "Insulation PreTest" that stops the insulation test and provides a visual warning if it detects that an appliance is connected to the system under test. This helps you avoid potentially serious and costly mistakes that can cause damage to your customers' peripheral equipment.

Auto Test reduces test time

Auto Test performs up to seven installation tests in one sequence, ensuring compliance with local installation regulations. This reduces the number of manual connections, thus decreasing the possibility of errors and reducing test time.

Save time and enhance collaboration

Because the 1664 FC is Fluke Connect®-enabled, you can send test results to your smartphone, save them to the cloud, and share measurements in real time with team members through a ShareLive video call. It's the fastest way to let your team see what you see, and to help you get approvals without leaving the field. Fluke Cloud™ storage allows you to retrieve stored results whether you are in the office or in the field to make decisions in real time. You get world-class data protection and can import the data, manage files transferred from instruments, or manually enter data as needed into TruTest™ Software to process and generate certificates quickly and easily. Designed to eliminate the hassle associated with traditional electrical system data management and reporting, TruTest™ Software is an ideal solution for producing easy-to-understand reports for clients.

Other helpful features:

- Compact, lightweight (less than 1.3 kg) with padded neck-strap to free your hands
- Rotary dial knob clearly indicates which function is selected, all in one spot with no complex multi-level menus.
- Offers additional high current loop mode for faster measurements than loop tests with non-trip mode for RCDs
- Includes Z-max memory for loop tests to support easy evaluation of the highest loop test value
- Provides unique zero adapter for fast, reliable and accurate test lead and mains cord compensation
- Performs fast voltage measurement between L-N, L-PE, and N-PE using the mains cord. No need to change measurement connections
- Measures RCD trip current and trip time in parallel (RCD type AC and A)
- Measures PEFC or PSC and loop impedance in parallel and displays them together on the dual display
- Offers ring testing so you can select the required input sockets with soft keys and not have to exchange test leads
- Uses continuity test currents to measure motor windings
- Detects raised earth voltages > 50 V with Earth Volt Touchpad, indicating potential dangerous situations
- Features large display with backlight, clear symbols, and exceptionally wide viewing angle for easy and safe readings
- Offers extended three-layer memory

Specifications: Fluke 1664 FC Installation Multifunction Testers

Ordering information



FLK-1664FC

Fluke 1664 FC Installation Multifunction Tester

Includes:

- 6x AA (IEC LR6) cell 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



Preventive maintenance simplified. Rework eliminated.

Save time and improve the reliability of your maintenance data by wirelessly syncing measurements using the Fluke Connect™ system.

- Eliminate data-entry errors by saving measurements directly from the tool and associating them with the work order, report or asset record.
- Maximize uptime and make confident maintenance decisions with data you can trust and trace.
- Access baseline, historical and current measurements by asset.
- Move away from clipboards, notebooks and multiple spreadsheets with a wireless one-step measurement transfer.
- Share your measurement data using ShareLive™ video calls and emails.

Find out more at [flukeconnect.com](https://www.flukeconnect.com)



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