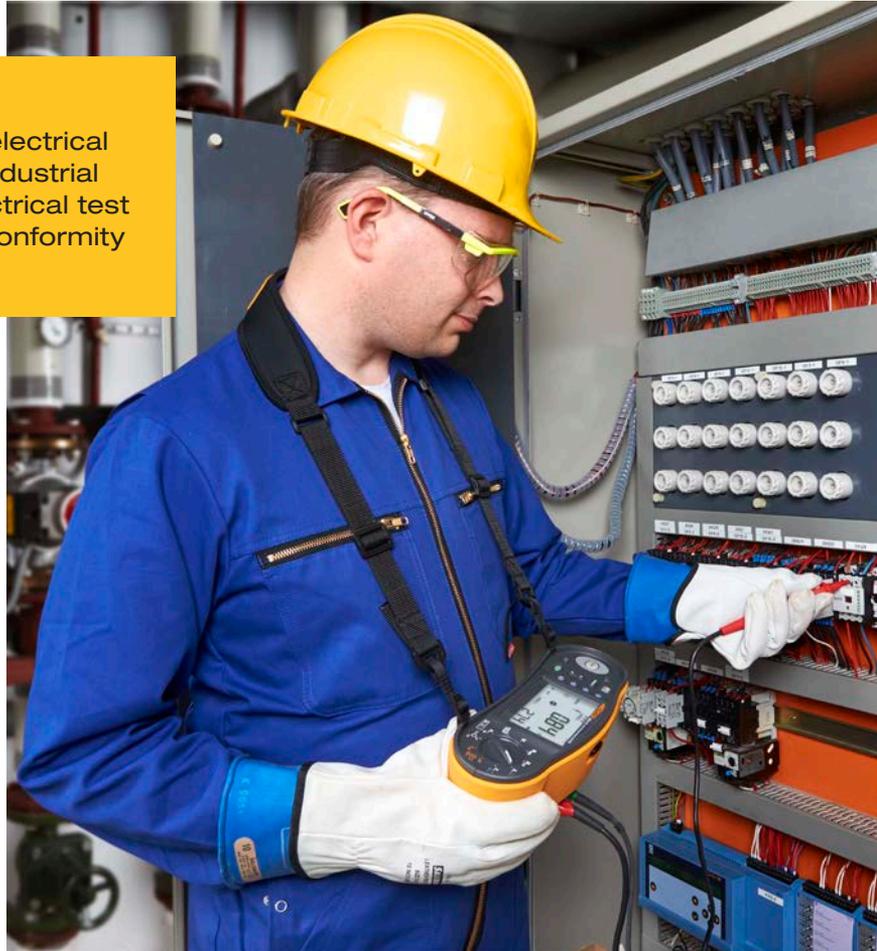


# Three reasons to upgrade your installation tester

The increasing complexity of today's fixed electrical installations in domestic, commercial and industrial premises places extra responsibility on electrical test engineers who are charged with verifying conformity to today's stringent international standards.

Having the right test tool to carry out these rigorous tests imposed by the International Electrotechnical Commission (IEC) and the European Committee for Electrotechnical Standardization (CENELEC) is of critical importance.

The new **Fluke 1664 FC Multifunction Installation Tester** carries out required testing by combining several test tools into one. Whether checking the quality of an overall installation or the proper functioning of the grounding system or strengthening safety protocols, the 1664 FC is your superior choice for residential, commercial, and industrial installations. This electrical installation testing ensures that fixed wiring is safe and correctly installed, meeting the requirements of most local electrical wiring regulations.



## Top THREE

### Reasons you should upgrade to the Fluke 1664 FC Multifunction Installation Tester

1. **Insulation PreTest for insulation resistance measurements without damage to appliances**
2. **Auto Test for automatic, repeatable testing**
3. **Fluke Connect® for team collaboration and real-time data sharing**

Here are three reasons you should upgrade to the Fluke 1664 FC Multifunction Installation Tester:

#### **1 Insulation PreTest for insulation resistance measurements without damage to appliances**

Fluke's patent-pending Insulation PreTest function stops you from performing tests when appliances are inadvertently connected to the system. This helps eliminate accidental damage to expensive electronic equipment and reduces the chance of accidental damage to your customers' appliances.

The Insulation PreTest function gives you a warning before you start a test and prevents damage to appliances from the test voltage. To use Insulation Pretest, the tester must be connected to the phase (L terminal), neutral (N terminal) and protective earth line (PE terminal).



If the tester detects that an appliance is connected, it will stop the insulation test and provide a visual warning. This helps eliminate accidental damage to peripheral equipment and keeps your customers happy.

## 2 Auto Test for automatic, repeatable testing

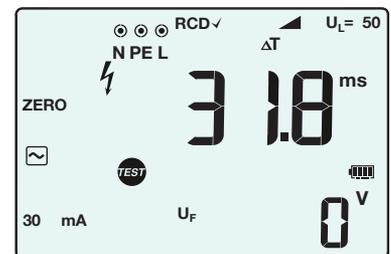
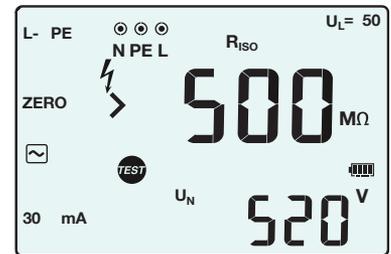
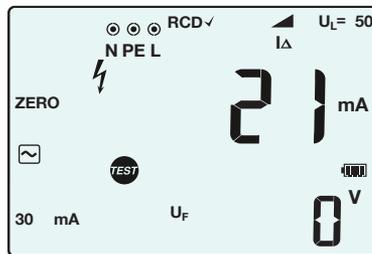
The Auto Test function of the Fluke 1664 FC allows you to run multiple required tests with a single press of a button, all without having to change test leads or rotary knob positions. Auto Test performs all required installation tests in one sequence, ensuring compliance with local installation regulations. It reduces the number of manual connections, decreases the possibility of making errors and reduces test time up to 40% from previous Fluke models.

During an Auto Test sequence the Insulation Pre-Test function is always active. This test sequence is intended to be done at a mains socket protected by an RCD with a nominal fault current.

The Auto Test function gives you a higher probability of achieving successful results. Once the single test connection is made, there are no other buttons to press or test leads to move. This results in a highly repeatable process, free from unintentional human error.

Tests performed during the Auto Test sequence include:

- Line test (L-N)
- No-Trip Loop test (L-PE)
- RCD trip current test (type A, AC, or Auto-RCD)
- RCD trip time test (type AC, 30 mA)
- Insulation test L-PE, 500 V
- Insulation test L-N, 500 V
- Insulation test N-PE, 500 V



### 3 Fluke Connect® for team collaboration and real-time data sharing

The Fluke 1664 FC Installation Tester is part of Fluke Connect, a system of wireless test tools that communicate via the Fluke Connect app, or Fluke Connect Assets software. The system is a cloud based solution that gathers measurements from multiple Fluke Connect tools to provide a comprehensive view of critical equipment status. With Fluke Connect, test results can be uploaded from anywhere to create and share results from the job site, increasing productivity in the field.<sup>1</sup>

Results are grouped for each test performed (left). On your phone, you can then drill down into any individual test and see the details for each test parameter (right). This gives you a fast way to review and confirm results in a format unique to Fluke test tools.

**Fluke Cloud™ Storage**—With cloud-based data storage you don't have to rely on expensive hardware and worry about computer crashes and lost data. No more writing down data on paper with the possibility of transcription errors.



For more information on the Fluke 1664 FC Multifunction Installation Tester, contact your Fluke representative.

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<sup>1</sup>Within your provider's wireless service area and subject to your plan's pricing and other terms. Fluke Connect is not available in all countries. Some Fluke Connect features require a subscription subject to payment terms.