Multifunction tester, Type: 1664KIT

Order data

Order number	473093 1664KIT
GTIN	195112034293
Item class	47H

Description

Version:
Fluke 1664 FC multifunction tester with TruTest data management software kit The Fluke 1664 FC multifunction installation tester enables you to test electrical installations faster The 1664 FC has all the relevant measuring functions and intelligent features that make it simple to use, so that you can test electrical installations quickly, efficiently and in compliance with standards, protect equipment and share results in real time via your smartphone. Test DC protective devices on electric-vehicle charging stations – RCD type A EV or RDC-DD Perform tests on DC protective devices on electric-vehicle charging stations using the VAR mode (variable RCD test current) for RCD type B (smooth residual direct currents), which generates the installation tests for RCD type A EV or RDC-DD according to IEC 62.955 (6/60/200 mA and ramp <2 to 6 mA). This allows 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 connected appliances from accidental damage The Fluke 1664 FC is the only installation tester with Insulation PreTest, which 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' equipment. Auto Test reduces test time Auto Test performs up to seven steps of the installation test in one sequence, making it much faster to carry out standards-compliant tests. It also reduces the number of manual connections with the test points, thereby also reducing the likelihood of errors and the test time. Save time and enhance collaboration Because the 1664 FC is Fluke Connect-enabled, you can send 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 help you obtain approvals without leaving the field. The Fluke Cloud storage allows you to retrieve stored measurements

whether you are in the office or in the field to make decisions faster. You get world-class data protection and can import the data, manage files transferred from instruments or manually enter data as needed into the TruTest software to process and generate certificates quickly and easily. Designed to eliminate the hassle associated with traditional data management and reporting for appliances and installations, the Fluke TruTest software is the ideal solution for producing easy-to-understand reports for clients. Other useful features include:Compact, lightweight (weighs less than 1.3 kg), with padded carrying strap to free your handsThe position of the rotary dial clearly indicates which function has been set. It is used to select all functions without the need for complex multi-level menus.Additional mode with high test current for faster measurements compared to loop impedance measurement without tripping the residual current protective device (RCDs)Zmax memory function for line and loop impedance measurementUnique zero adapter for fast, consistently reliable and accurate test lead and mains cord compensationFast voltage measurement (L-N, L-PE and N-PE) using the mains cord; no need to change the measurement inputsMeasures the tripping time and tripping current in just one test for RCDs type A and ACMeasures the short-circuit current (PEFC or PSC) and loop impedance in parallel and displays them together on the dual displaySelect the required input sockets with soft keys – no need to change the test leadsContinuity tests to measure motor windingsDetects voltages to earth > 50 V and indicates potentially dangerous situationsFeatures large display with backlight, clear symbols and exceptionally wide viewing angle for easy and safe readingsExtended memory
Feature:

AC voltage measurement Range: 500 V Resolution: 0.1 V Accuracy at 45 to 66 Hz: 0.8% + 3 digits Input impedance: 360 kΩ Overload protection: 660 V rms Continuity testing (RLO) Measuring ranges (autoranging): 20 Ω / 200 Ω / 2000 Ω Resolution: 0.01 Ω / 0.1 Ω / 1 Ω Open circuit voltage: >4 V Insulation resistance measurement (RISO) Test voltage: 50 / 100 / 250 / 500 / 1,000 V Accuracy of test voltage (at rated test current): +10%, -0% Insulation resistance range: 20 MΩ / 50 MΩ; 20 MΩ / 100 MΩ; 20 MΩ / 200 MΩ; 20 MΩ / 200 MΩ / 500 MΩ; 20 MΩ / 200 MΩ / 1000 MΩ Resolution: 0.01 MΩ / 0.1 MΩ; 0.01 MΩ / 0.1 MΩ; 0.01 MΩ / 0.1 MΩ; 0.01 MΩ / 0.1 MΩ / 1 MΩ; 0.01 MΩ / 0.1 MΩ / 1 MΩ Test current: 1 mA at 50 kΩ; 1 mA at 100 kΩ; 1 mA at 250 kΩ; 1 mA at 500 kΩ; 1 mA at 1 MΩ Loop and line impedance (ZI) Range: 10 Ω (Hi current mΩ mode) / 20 Ω / 200 Ω / 2000 Ω Resolution: 0.001 Ω / 0.01 Ω / 0.1 Ω / 1 Ω Short-circuit current (Ik), PSC test Range: 1,000 A / 10 kA (50 kA) Resolution: 1 A / 0.1 kA Computed values: the prospective earth fault current (PEFC) or prospective short-circuit current (PSC) are determined by dividing the measured mains voltage by the measured loop impedance (L-PE) or line impedance (L-N), respectively. Earth resistance test (RE) Range: 200 Ω / 2000 Ω Resolution: 0.1 Ω / 1 Ω Frequency: 128 Hz Output voltage: 25 V Phase sequence indication: YES General specifications Size (LxWxH): 10x25x12.5 cm Weight incl. batteries: 1.3 kg Battery type, quantity: 1.5 V type AA (LR6 Mignon), 6 per unit Index of protection: IP40 Safety: according to EN/IEC 61010-1 and EN/IEC 61010-2-034 Overvoltage category: CAT III 500 V; CAT IV 300 V Relevant standards: EN 61557-1 to EN 61557-7 and EN 61557-10

Supplied with:

1664 FC multifunction installation tester6 AA batteries (IEC LR6)Hard case C1600Zero adapterRobust mains cordSet of test leadsPadded carrying and hip strapQuick guideTP165X probe with trigger button and test leadsIR189USB cableTruTest data management software

Technical description

Power supply	Battery-powered
Battery type	LR6
#Number of batteries contained	6
Type of product	Multimeter