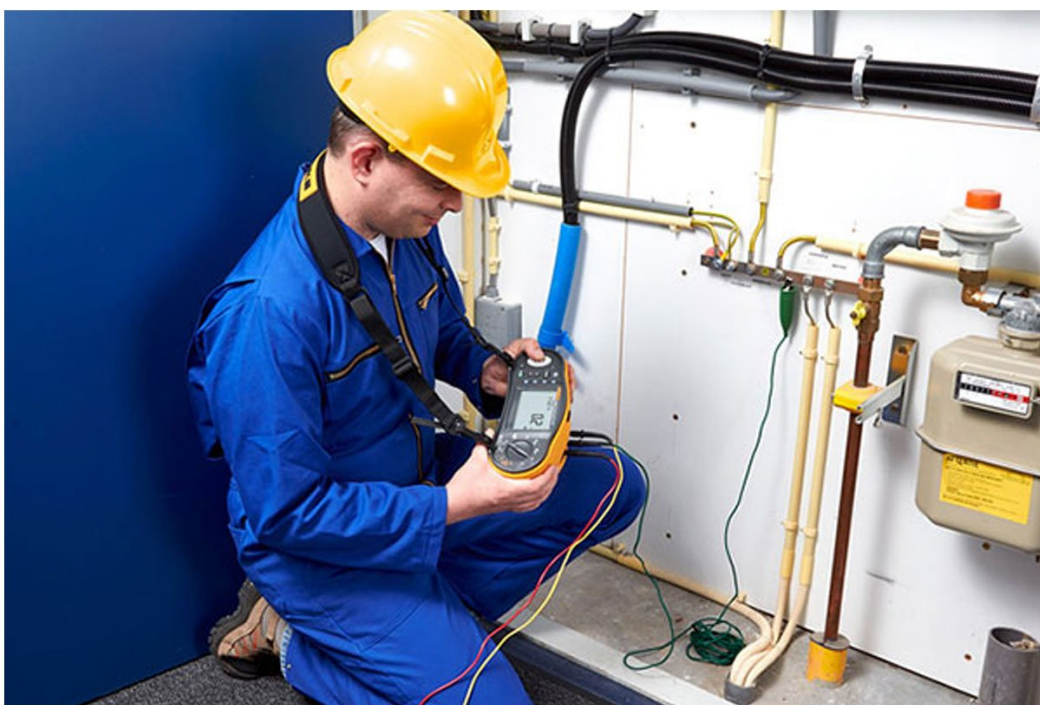


Fluke 1664 FC Installation Multifunction Tester





主要功能

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

產品概述: Fluke 1664 FC Installation Multifunction Tester

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


規格: Fluke 1664 FC Installation Multifunction Tester

Specifications: Fluke 1663 and 1664 FC Installation Multifunction Testers

AC voltage measurement	
Range	500 V
Resolution	0.1 V
Accuracy 45 Hz – 66 Hz	0.8% + 3
Input impedance	360 k Ω
Overload protection	660 V rms
Continuity testing (RLO)	
Range (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 voltages	50-100-250-500-1000 V
Accuracy of test voltage (at rated test current)	+10%, -0%
Test voltage	50 V 100 V 250 V 500 V 1000 V

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 @ 50 kΩ 1 mA @ 100 kΩ 1 mA @ 250 kΩ 1 mA @ 500 kΩ 1 mA @ 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
Prospective earth fault current, PSC test	
Range	1000 A / 10 kA (50 kA)
Resolution	1 A / 0.1 kA
Computation	Prospective earth fault current (PEFC) or Prospective short circuit current (PSC) determined by dividing measured mains voltage by measured loop (L-PE) resistance or line (L-N) resistance, respectively.
RCD testing, RCD types tested	
RCD Type	AC ¹ G ² , S ³
Model 1663	A4, AC ¹ , G ² , S ³
Model 1664 FC	A, AC, B5, S
Notes	¹ Responds to AC ² General, no delay ³ Time delay <input checked="" type="checkbox"/> Responds to pulsed signal <input checked="" type="checkbox"/> Responds to smooth DC signal
Tripping speed test (ΔT)	
Current settings ¹	10-30-100-300-500-1000 mA – VAR 10-30-100 mA

Multiplier	x ½, x 1 x 5 VAR Mode Type B - 6, 60, 200 mA	
Measurement range	RCD Type G	310 ms 50 ms
	RCD Type S	510 ms 160 ms
	EV / RDC-DD	6 mA - 10s 60 mA - 0.3s 200 mA - 0.1s
Notes	¹ 1000 mA type AC only 700 mA maximum type A in VAR mode The VAR Mode at RCD type B (smooth DC currents) generates the test currents acc. to IEC 62955 for RCD type A-EV or RDC-DD (6/60/200 mA and ramp <2 to 6 mA).	
RCD/FI-Tripping Current Measurement/Ramp Test (IΔN)		
Current range	30% to 110% of RCD rated current ¹ <2 mA to 6 mA smooth DC ³	
Step size	10% of IΔN ² Linear rising within 30 s	
Dwell time	RCD Type G	300 ms/step
	RCD Type S	500 ms/step
Measurement accuracy	±5%	
Specified trip current ranges (EN 61008-1)	50% to 100% for Type AC 35% to 140% for Type A (>10 mA) 35% to 200% for Type A (≤10 mA) 50% to 200% for Type B	
Notes	¹ 30% to 150% for Type A IΔN > 10 mA 30% to 210% for Type A IΔN = 10 mA 20% to 210% for Type B ² 5% for Type B ³ For RCD type A-EV/RDC-DD acc. to IEC 62955	
Earth Resistance Test (RE)		
Range	200 Ω / 2000 Ω	
Resolution	0.1 Ω / 1Ω	
Frequency	128 Hz	
Output Voltage	25 V	
Phase Sequence Indication		

Icon	 Phase Sequence indicator is active.
General Specifications	
Size (L x W x H)	10 x 25 x 12.5 cm
Weight (incl. batteries)	1.3 Kg
Battery size, quantity	Type AA, 6 ea.
Sealing	IP-40
Safety	Complies with EN/IEC 61010-1 and EN/IEC 61010-2-034
Overvoltage	CAT III / 500V; CAT IV 300V
Performance	EN61557-1 to EN61557-7 and EN61557-10

機型



FLK-1664FC

Fluke 1664 FC 多功能安裝測試儀

內附：

- 6 顆 AA (IEC LR6) 電池
- C1600 硬殼攜帶盒
- 歸零轉接器
- 重載型主電源線
- STD 標準測試導線組
- C1600 硬殼攜帶盒
- 軟墊背帶與腕帶
- 快速參考手冊
- TP165X 遙控探棒與導線



简化预防性维护。避免重复工作。

使用 Fluke Connect 系统无线同步测量值，节省时间，提升维护数据的可靠性。

- 直接通过工具保存测量值并将其与工作单、报告或资产记录相关联，消除数据输入错误。
- 借助可以信赖和跟踪的数据，最大限度地延长运行时间，自信地作出维护决策。
- 按资产类别查阅基线、历史记录和当前测量值。
- 通过单步操作无线传输测量值，无需使用写字板、笔记本和多个电子表格。
- 使用 ShareLive™ 视频通话和电子邮件共享测量数据。

详情请访问 flukeconnect.com



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