

## TECHNICAL DATA

# Fluke T110 Two-pole Voltage and Continuity Electrical Tester



## Key features

The tool you need for your tool belt, best combination of safety, ease-of-use and fast answers available anywhere.

- Designed according to IEC EN 61243-3:2014 to verify the absence of voltage – even with discharged batteries
- CAT IV 600 V, CAT III 690 V safety rating
- Voltage tester with a clear audible and vibrating voltage indicator
- Redesigned cable assembly for superb reliability on the job

## Product overview: Fluke T110 Two-pole Voltage and Continuity Electrical Tester

Fluke T110 Voltage, Continuity Tester with switchable load

Fluke T110 is the electrical tester you miss in your tool belt. It is a voltage tester and a continuity tester in one tool.

This electrical tester gives you fast answers and let you work in a safer way. Thanks to this electrical tester you can check the presence of voltage before working on any circuit. A clear audible and vibrating voltage indicator let you work with confidence. The Fluke T110 electrical tester features also an electric torch, a backlit LED indicator to get test results the way you want them.

Redesigned cable assembly for superb reliability on the job.

How do we test our new and improved Two-Pole Voltage and Continuity Testers?

Two-pole voltage and continuity testers measure voltage, but just as important is when a voltage tester tells you that there is NOT voltage present before working on any circuit. For you to rely on your two-pole tester, it has to be the most rugged and reliable tester you can find. That's what Fluke's redesigned Fluke T110 gives you.

Fluke knows the cable assembly is often where failures occur. The cable on any Two-Pole voltage and continuity tester is its weakest point- it is repeatedly bent, twisted, wrapped and put under constant strain. If the cable were to break, it could place you at an increased safety risk. Industry standards call for the cable to be tested to withstand a forty-five-degree bend, and still work after 5000 bend cycles. Fluke puts our testers through three times what the standard demands, flexing the cable over 150 degrees in each direction. This is why we can offer you our strongest voltage and continuity testers warranty ever.

#### Other useful features

- Dual insulated cable tested to 3x the required bend angle provides increased reliability and durability
- Switchable load: avoid display of ghost voltages allowing you to draw more current from the circuit under test and avoid trip residual-current devices (RCDs)
- Backlit graduated scale and backlit indicators
- Built in electric torch for use in dark areas (T110, T130, T150)
- Audio on/off for testing in quiet areas (T110, T130, T150)
- Improved probe docking for secure storage.
- Phase rotation indicator for 3-phase systems (T110, T130, T150)
- Single-pole phase test offers fast identification of live conductors
- Push-on probe tips, probe tip protector and storage accessory
- Tip protector serves as an extra hand when opening UK electrical safety outlets
- Low battery indicator

## Specifications: Fluke T110 Two-pole Voltage and Continuity Electrical Tester

The complete family of Fluke Two-Pole Voltage and Continuity testers lets you choose the features, functions, and price/performance to fit your applications and preferences.

Fluke voltage and continuity tester selection guide

Features	T150	T130	T110	T90
Backlit LED indicator	•	•	•	•
Backlit LCD digital display	LCD	LCD		
Continuity test—visual results	•	•	•	•
Continuity test—audible results	• with on/off	• with on/off	• with on/off	•
Vibratory indicator under load	•	•	•	
Display hold	•	•		
Voltage test	•	•	•	•
Indication of polarity	•	•	•	
Resistance measurement	•			
Switchable load	•	•	•	
Single pole test for phase detection	•	•	•	•
Rotary field indicator	•	•	•	
Probe tip protection	•	•	•	•
Voltage detection with discharged batteries	•	•	•	•
Electrical torch function	•	•	•	
Wear indicator test lead wire	•	•	•	•

### Product specifications

Specifications	T90	T110	T130	T150
Voltage AC/DC	12V - 690V	12V - 690V	6V - 690V	6V - 690V
Continuity	0 - 400 kΩ	0 - 400 kΩ	0 - 400 kΩ	0 - 400 kΩ
Frequency	0 / 40 - 400 Hz	0 / 40 - 400 Hz	0 / 40 - 400 Hz	0 / 40 - 400 Hz
Phase rotation	-	100 V - 690 V	100 V - 690 V	100 V - 690 V
Resistance measurement	-	-	-	Up to 1999 Ω
Response Time (LED indicator)	< 0.5 s	< 0.5 s	< 0.5 s	< 0.5 s

200 k $\Omega$ input impedance	Current draw 3,5 mA @ 690 V Current draw 1,15 mA @ 230 V	Current draw 3,5 mA @ 690 V Current draw 1,15 mA @ 230 V	Current draw 3,5 mA @ 690 V Current draw 1,15 mA @ 230 V	Current draw 3,5 mA @ 690 V Current draw 1,15 mA @ 230 V
7k $\Omega$ input impedance (with load buttons pressed)	-	Current draw 30 mA @ 230 V	Current draw 30 mA @ 230 V	Current draw 30 mA @ 230 V
Safety rating	CAT II 690V CAT III 600V	CAT III 690V CAT IV 600V	CAT III 690V CAT IV 600V	CAT III 690V CAT IV 600V
IP rating	IP54	IP64	IP64	IP64
Power requirement	2-AAA batteries	2-AAA batteries	2-AAA batteries	2-AAA batteries
Net weight	280 g (9.9 oz)	280 g (9.9 oz)	280 g (9.9 oz)	180 g (6.4 oz)
Size (LxWxH)	26 cm x 7 cm x 3.8 cm	26 cm x 7 cm x 3.8 cm	26 cm x 7 cm x 3.8 cm	23 cm x 6.5 cm x 3.8 cm
Warranty	2 years	2 years	2 years	2 years
Country of origin	Great Britain	Great Britain	Great Britain	Great Britain

## Ordering information



### **Fluke T110**

Fluke T110 Voltage/Continuity Tester with electric torch, vibrating voltage indicator

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Fluke. *Keeping your world up and running.*®

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