

**TECHNICAL DATA**

# Fluke T90 Two-pole Voltage and Continuity Electrical Tester



## Key features

Fluke T90 electrical tester is the basic voltage and continuity tester for troubleshooting

- Easy to Use: this circuit tester has large, easy-to-use buttons
- 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

## Product overview: Fluke T90 Two-pole Voltage and Continuity Electrical Tester

### Fluke T90 Basic Voltage and Continuity Tester

The compact Fluke T90 electrical tester gives you fast test results the way you need them in a slim design. This electrical tester has large, easy-to-use buttons, bright backlit LED indicators. A clear audible indicator give quick results in any work situation.

This voltage tester is the perfect basic tool to check the presence of voltage.

**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 T90 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
- Backlit graduated scale and backlit indicators
- Improved probe docking for secure storage
- 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 T90 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 kΩ 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 Ω input impedance (with load button 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

Specifications	T90	T110	T130	T150
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
Couy of origin	Great Britain	Great Britain	Great Britain	Great Britain

## Ordering information



### **Fluke T90**

Fluke T90 Voltage/Continuity Tester

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

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