



MT312 RCD/ELCB Tester

The MT312 is a compact, versatile tester designed for 3-wire AC circuits, supporting ELCB/RCD testing, loop impedance measurement, and polarity verification. It features a Non-Contact Voltage (NCV) function for safe AC voltage detection and displays wiring status clearly on a large, easy-to-read LCD screen. Voltage measurements between Live and Neutral, as well as Neutral and Earth, are shown directly on the display. The MT312 automatically performs loop impedance testing to verify correct wiring, with intuitive LED indicators: Green for Good, Orange for Check Circuit, and Red for Urgent Check—highlighting any potential faults. During ELCB/RCD testing, the device measures fault trip times up to 99.9ms, with a 10-second buzzer alert confirming a successful trip. A key feature of the MT312 is its interchangeable leads, enabling testing of standard power outlets with the included test leads or distribution boards using the optional MT350L test lead set.



Features

- Compact, versatile tester for 3-wire AC circuits
- Performs ELCB/RCD testing, loop impedance measurement, and polarity verification
- Non-Contact Voltage (NCV) function for safe AC voltage detection
- Clear LED & LCD display for wiring status and voltage readings
- Measures voltage between Live-Neutral and Neutral-Earth directly on the display
- Fault Trip Time: 99.9ms max, with 10-second buzzer alert on ELCB trip
- Automatic loop impedance testing to verify correct wiring
- LED indicators for wiring status:
 - Green – Good (Resistance < 1.8Ω)
 - Orange – Check (Resistance between 1.8Ω & 92Ω)
 - Red – Urgent Check (Resistance > 92Ω)

Function	Range
Voltage Indication	25 to 264V AC
RCD Test Voltage	230V AC
Frequency	50/60Hz
Trip Current Setting	10mA, 20mA, 30mA
Fault Trip Time	99.9ms max. Buzzer alert for 10 seconds when ELCB trips
Loop Impedance	Green - Good (Resistance <1.8Ω)
Wiring Indication	Orange - Check (Resistance between 1.8Ω & 92Ω)
	Red - Urgent Check (Resistance >92Ω)
NCV	Bargraph display & Buzzer alert
Auto Power Off	5 Minutes (Approx)
Display	LED & LCD
Batteries	2x AAA
Dimensions	136 x 75 x 31mm
Weight	185g



Wiring Indication,
RCD/ELCB,
Loop & NCV



Magnet for Hands
Free Testing



MT350L Optional
Distribution Board
Test Leads

MT312 | RCD/ELCB, Loop & Polarity Tester

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