



MT560 Insulation Tester

The MT560 has a large dual display with a bargraph indicating the insulation resistance. This compact handheld meter has four test ranges: 125V, 250V, 500V and 1000V source for the test and under each range it can supply more than 1mA current to feed the capacitance load. The tester features AC and DC voltage ranges as well as a battery indication. Should AC voltage be present, the LCD display will indicate to the operator the AC voltage value, regardless of what range the meter is on except in the Off position. Other features include a data hold function, a bright white LED back light and a continuity buzzer.

Features

- Four test ranges 125V-250V-500V-1000V
- MIN/MAX Record mode
- Measures AC Voltage to 750V and DV Voltage to 1000V
- Large Dual LCD display with bargraph
- Live Circuit detection prevents insulation tests if voltage >30V
- Auto Null of test lead resistance
- 1mA output current on insulation test
- 200mA short circuit on continuity range
- Continuity Buzzer
- Automatic discharge of capacitive voltage after test for added protection
- Data Hold function
- Lock down Test Button for continuous use
- Hands free strap and magnet supplied as standard accessories
- Rubber overmould housing
- Illuminated display



Function	Range	Accuracy
Insulation resistance	125V - 4MΩ	±(2.0% +10)
Insulation resistance	250V - 40MΩ	±(2.0% +10)
Insulation resistance	500V - 400MΩ	±(2.0% +10)
Insulation resistance	1000V - 4000MΩ	±(3.0% +10)
Short circuit current	1.0mA	
Measuring Current	200mA@4.5V	
DC voltage	0 - 1000V	±(0.8% +3)
AC voltage	0 - 750V	±(1.2% +10)
Resistance	40Ω - 400Ω	±(1.2%+3)
Size	200 x 92 x 50mm	
Weight	700g	



Colour Coded Display and LED Backlight



Measures ACV & DCV



Four insulation test ranges



Lock down test button for continuous use

MT560 | Digital Insulation Tester

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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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