

# INDUSTRIAL RCD/ELCB TESTERS



## INDUSTRIAL RCD (ELCB) TESTER



The MT328 is a Microprocessor controlled Industrial Earth Leakage tester designed to operate on 550V, 380V and 220V systems, or circuits with a maximum of 450V AC (L-E). The MT328 has been designed for ease of operation while still maintaining safety, reliability and accuracy thus providing consistent results throughout all operating ranges. The MT328 offers both the Trip Time and the Sensitivity at which the ELCB tripped. The Trip can be timed to a maximum of 100 Seconds, while the sensitivity can either be set at a certain milliamp rating or the operator can simply let the instrument ramp to 1000mA. The MT328 is ideally suited for Mining and Industrial applications.

### Features

- Microprocessor Controlled for accuracy and reliability
- Direct readout of disconnection time
- Display mA Sensitivity
- Current Setting from 5mA to 1000mA
- Indicates tripping phase angle
- 0° or 180° Phase angle selection
- Operating voltage 100V to 450V L-E
- Checks ELCB trip time and trip point sensitivity
- Auto Off
- Built-in 100s Timer
- MT319 is an optional 3-Phase adaptor

Function	Range	Accuracy
Rated trip current	5mA - 1000mA	± (1.0% + 1mA)
Other Test Settings	0 ~ 1000mA IN 1mA STEPS or Preset	
Operating Voltage	100V - 450V (L - E)	
Fault Trip Time	0 Seconds ~ 100 Seconds	
Phase Angle Setting	0° OR 180°	
Trip Polarity	Displays If ELCB Tripped On + Or - Edge Of Waveform	
AC Voltage Range	100V ~ 450V	
Size	170 x 120 x 95mm	
Weight	800g	



MT328

## SOCKET RCD TESTER



The compact MT325 is lightweight and easy to use and operates on 230V AC circuits while offering high accuracy measurement and good performance. Features include pre-programmed tripping current ranges for speed of use, with direct readout of disconnection time with a resolution of 1ms, neon indication of correct wiring status. Consistent results are obtained with the 0° and 180° phase angle select switch, thus eliminating the need for repeat tests.

### Features

- Double injection housing
- Correct wiring indication
- 2000ms Direct readout of disconnection time
- Fully programmed test current settings
- Accurate readout of tripping time with a resolution of 1ms
- Two LED lamps give quick check for correct wiring
- Compact, lightweight and simple to use
- 0° or 180° Phase angle selection
- Current setting from 5mA to 500mA
- Operating voltage 230V AC
- Data Hold function to freeze the digital trip time on the LCD

Function	Range	Accuracy
Rated trip current	5mA - 10mA - 30mA - 100mA - 300mA - 500mA	± (3.0%)
Other Test Settings	No Trip - 50% Range Selected Trip Test - 5/10/30/100/300/500mA Fast Trip - 250mA	± (5.0%)
Operating Voltage	230V ± 10% 50/60Hz	
Fault Trip Time	2000ms for Trip and No Trip Tests 40ms for Fast Trip	
Phase Angle Setting	0° OR 180°	
Size	130 x 69 x 32mm	
Weight	130g	



MT325

## SOCKET ELCB TESTER



The MT310 Earth Leakage Tester is a compact, lightweight and easy to use socket and polarity and earth leakage tester that tests 3-wire 230V AC circuits and Earth Leakage Circuit Breakers. A unique feature is the AC Voltage indication on the LCD display. It also features a milli-amp (mA) trip setting with a separate test button. The unit can be set from 10mA, used for testing saturation and to eliminate nuisance tripping, to 35mA. The bright neon indication assists the user in confirming the wiring status of the circuit under test. Simply plug the MT310 into a wall socket and the results are clearly displayed. For additional safety, the MT310 is rated at CAT IV 300V and CAT III 600V.

### Features

- Compact, lightweight and easy to use
- Correct Wiring Indication with neon lights
- Operates on 230V systems
- AC Voltage measurement on LCD display
- Fixed current settings from 10mA to 35mA
- Separate test button
- Double injection rubber housing

Function	Range	Accuracy
ELCB Trip Ratings	10mA - 15mA - 20mA - 25mA - 30mA - 35mA	± 1.75mA AT 220V AC
AC Voltage Indication	From 150V AC to 245V AC	
Wiring Identification		
Neon On	●●● Wiring Correct	
Neon Off	●●● No Earth	
	●●● Live and Neutral Reversed	
	●●● No Neutral	
	●●● Live And Earth Reversed	
	●●● No Live	
Size	130 x 69 x 32mm	
Weight	130g	



MT310