Metrix+™
Innovative Excellence

RCD (ELCB) TESTER

AR 5406

Verify proper working of ELCB

Applications

Ensuring electrical safety in residential and commercial buildings is of paramount importance. One crucial component that plays a vital role in preventing electric shocks, fires, and other hazards is the Earth Leakage Circuit Breaker (ELCB).
However, like any electrical device, ELCBs can malfunction or deteriorate over time, which is why regular testing is essential to ensure they are working correctly.

An ELCB, also known as a Residual Current Device (RCD) or Ground Fault Circuit Interrupter (GFCI), is a safety device designed to quickly detect and interrupt electrical circuits when it senses an imbalance between the current flowing in the live and neutral conductors. This imbalance, known as a "leakage current," can occur due to various reasons, such as damaged wiring, faulty appliances, or accidental contact with a live conductor.

Features:

- Upto 500mA trip current with max 1000ms trip current duration
- Overload indication and protection, autodata storage
- Wiring check, selective phase angle
- Backlit display, external power supply
- Auto power off

Technical Specifications

Model	AR 5406
Rated voltage	230V +10%-15%, 50Hz
Trip Current	10 / 20 / 30 / 200 / 300 / 500mA
Trip Time	1000ms Max
Accuracy	Current: ±8%, Time: ±0.6% ±4dgt
Grounding Resistance	Max. 50Ω
Operation Conditions	Temperature: 0~50C, <80% RH
Features	Power by Voltage, Overload Protection, Overheat Protection, Overload Indication, AutoData Storage, Wiring Check, Selective Phase Angle, 3.5 figure backlit display, test button, auto power off
Power source	External power supply
Dimensions	165 x 140 x 80mm, 600g
Std accessories	Main unit, test cables, manual, case