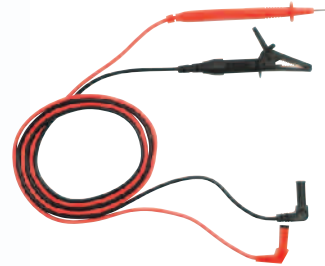


DIGITAL ELCB TESTER



TEST LEADS



2820 EL

FEATURES

- Operating voltage 100-450V L-E.
- Rated current 999mA, at 317V AC/50Hz
- Checks ELCB trip time and trip point (sensitivity).
- Auto-Off/Auto-Ranging.
- Phase angle selection ($0^\circ / 180^\circ$).
- Indicates tripping phase angle.
- Impact resistant enclosure.
- Over temperature shut-down.
- Transient protection.
- Suitable for heavy industrial use.
- Fused.
- EN61010-1 IEC 1010-1 CAT III 450V

OPERATING PRINCIPLES

EARTH LEAKAGE TESTS

The testers may be used to check the trip point (Test 1) of the ECLB or the trip time (Test 2).

Test 1 is normally used on instantaneous ELCB s while Test 2 is normally used on inverse and fixed time-delay ELCBs.

TEST PROCEDURE

Test 1- instantaneous ELCBs A ramp current, increasing at approximately 12 mA/s is introduced between L and E and the point at which the ELCB trips is recorded. To save time and reduce energy dissipation, the starting point of the ramp may be selected. Test 2- Inverse and fixed time delay ELCBs. A constant current is selected and injected between L-E and the tripping time is recorded.

SPECIFICATIONS

Trip Current-Range	0-1 A at 317V (Auto-Range Programmable)
Trip Current-Resolution	1mA
Operating Voltage (L-E)	100-450V
Phase Angle Setting	0° and 180° selectable
Timer-Max	99.999S
Timer-Resolution	1ms
Typical Accuracy	
Trip-Current	$\pm 1\% \text{rdg} \pm 1 \text{mA}$
Trip-Time	$\pm 1\% \text{rdg} \pm 1 \text{dgt}$
Voltage	$\pm 3\% \text{rdg} \pm 1 \text{dgt}$
Operating-Temperature	-10°C to $+40^\circ \text{C}$
-Humidity	80% Max relative humidity
Dimensions	170(L) $\times$ 120(W) $\times$ 95(D)mm
Weight (Battery Included)	800g
Power Source	1.5V(AA) $\times$ 8 Batteries
Accessories	Test leads Shoulder belt Instruction manual Batteries