

DIGITAL ELCB TESTER / EARTH LEAKAGE TESTER

FEATURES :

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

SAFETY :

EN 61010-1, IEC 1010-1 CAT III 450V.

GENERAL SPECIFICATIONS :

- * Trip Current Range : 0-1 A at 317V (Auto-Range Programmable)
- * Trip Current-Resolution : 1mA
- * Timer-Max : 99.999s
- * Timer Resolution : 1mS
- * Typical Accuracy :
 - Trip-Current $\pm 1\%$ rdg ± 1 mA
 - Trip-Time $\pm 1\%$ rdg ± 1 dgt
 - Voltage $\pm 3\%$ rdg ± 1 dgt
- * Operating Temperature & Humidity : -10 °C to + 40 °C, 80% max relative humidity
- * Power Supply : 1.5V (AA) x 8 batteries
- * Dimensions : 170(L) x 120(W) x 95(D) mm
- * Weight : Approx. 800g (battery included)

ACCESSORIES :

Test leads, User Manual, Carrying case, Shoulder belt, Batteries

EARTH LEAKAGE TESTS :

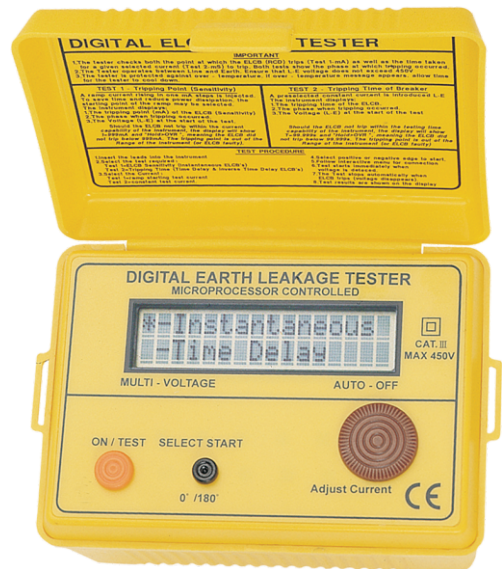
The testers may be used to check the trip point (Test 1) of the ECLB or the trip time (Test 2).

Test 1 is normally used on instantaneous ELCBs 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.

Model KM 2820EL**Preliminary Data****All Specifications are subject to change without prior notice**