



Model 2820 EL

Digital ELCB (RCD) Tester



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

Operating principles

Earth leakage tests

The testers may be used to check the trip point (Test 1) of the ELCB or the trip time (Test 2). Test 1 is normally used on instantaneous ELCB s while Test 2 is normally used to 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 (Auto-Rang Programmable)	0-1A at 317V
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	±1%rdg±1mA
Trip-time	±1%rdg±1dgt
Voltage	±3%rdg±1dgt
Operating temperature - humidity	-10°C to +40°C 80% Max. relative humidity
Dimensions	170(L) × 120(W) × 95(D)mm
Weight (battery included)	Approx. 800g
Power source	1.5V (AA) × 8
Safety standard	EN 61010-1 CAT III 450V, EN 61326-1



TEL-1181 D



BET-2800

Accessories

Instruction manual
Test leads
Shoulder belt
Batteries

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