



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 ELCBs 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.



TEL-1181 D



BET-2800

Features

- 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.

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 temp, & humidity:	-10°C to +40°C, 80% Max. R.H.
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

Accessories:
Instruction manual. Test leads.
Shoulder belt. Batteries.