

## 數位斷路器檢測計

### DIGITAL ELCB TESTER

- 微處理器控制設計。
- 操作電壓110-450V(L-E)。
- 檢查核對斷路器跳脫時間和跳脫電流。
- 可選擇相位(0度和180度)。
- 自動換檔。
- 自動關機。
- 過溫保護。
- 可供重工業設備量測。
- 保險絲保護。
- 符合EN 61010-1 IEC 1010-1 CAT III 450V。



**2820 EL**

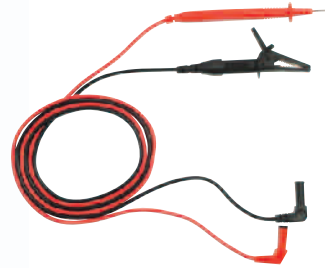
#### 電氣規格(23±5°C ≤ 80%RH)

跳脫電流檔位	0-1A 在 317V 時(自動換檔)
跳脫電流解析度	1mA
操作電壓(L-E)	100-450V
相位選擇	0 度與 180 度
電壓指示(L-E)	20Vac-280Vac(50Hz 或 60Hz)
測試最長時間	99.999 秒
時間解析度	1mS
跳脫顯示	顯示在 LCM 上
跳脫電流準確度	±(1%讀值+1mA)
跳脫時間準確度	±(1%讀值+1 位數)
電壓準確度	±(3%讀值+1 位數)
操作環境	-10°C-40°C 80% RH Max
使用電池	1.5V(AA)*8(顆)
外形尺寸	170(長)*120(寬)*95(高)公厘
重量	約 800g(含電池)
附件	測試線*1(組) 說明書*1(本) 肩帶*1(條) 電池

## 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° / 180°).
- 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 ELCB or the trip time (Test 2).

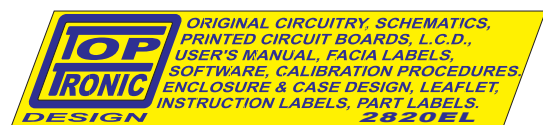
Test 1 is normally used on instantaneous ELCBs while Test 2 is normally used on inverse and fixed time-delay ELCBs.

#### 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.

### 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	±1%rdg ±1mA
Trip-Time	±1%rdg ±1dgt
Voltage	±3%rdg ±1dgt
Operating-Temperature	-10°C to + 40 °C
-Humidity	80% Max relative humidity
Dimensions	170(L) × 120(W) × 95(D)mm
Weight (Battery Included)	800g
Power Source	1.5V(AA) × 8 Batteries
Accessories	Test leads Shoulder belt Instruction manual Batteries



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