

**GENERAL INFORMATION**

The 1810D is the Basic test Equipment an Electrician cannot do without. 1810D is a Dual Function Test Instrument used to Verify electrical Wiring Connections and the Functioning of Earth leakage / Residual current detector devices by forcing the ELCB/RCD to trip.

This verifies that the protection device opens the mains power supply circuit when a current higher than a certain amplitude flows into the ground/earth wire. This ensures the Electrical installations meet safety and regulation requirements.

**FEATURES**

- 2000mS readout for testing latest delay action breakers
- Fully programmed operation
- Accurate digital read out of tripping time
- Two LED lamps give quick check for correct wiring
- Operates from mains supply. No need for batteries
- Compact, lightweight and simple to operate
- Zero cross circuitry permits testing at 0° and 180° portion of sine wave. At these two tests minimum (best) and maximum (worst) trip times will be displayed
- Data hold function to freeze the digital trip time display allows for easy readout and eliminates the possibility of reading error



**SPECIFICATIONS**

Measuring Ranges	
Trip Current Settings	5mA 10mA 30mA 100mA 300mA 500mA
Test current	
No Trip Test	50% of circuit breaker trip current selected
Trip Test	100% of circuit breaker trip current selected
Fast Trip Test	250mA regardless of circuit breaker trip current selected
Fault Trip Time	2000ms (40ms for Fast Trip)
Operational Voltage	220V/230V/240V AC±10% 50/60Hz

Accuracy	
Test Current	±3% at 220V 230V 240V AC
Test Current Duration (limiter incorporated)	2000mS±5% for Trip and NO Trip Tests
	40ms±5% for Fast Trip Test
Trip Time (Measurement Accuracy)	±2% reading ±3 digit

**INCLUDED ACCESSORIES:**

Carrying Case, Test Report, Instruction Manual