

## ELCB(RCD) Tester



CE

**1811 EL**

### FEATURES

- Microprocessor-controlled.
- 2 Lines × 16 Characters LCD.
- Very low consumption.
- Suitable for industrial applications.
- Better than 3% accuracy (current).
- Menu-driven.
- Accurate digital readout of disconnection time.
- Accurate digital readout of disconnection sensitivity.
- Data hold function.
- Zero Crossing Circuitry permit testing at 0° or 180°.
- Disconnection Phase Polarity shown on LCD display.
- Auto off and off override.
- Polarity Trip indicator (Positive of Negative Phase).

### SPECIFICATIONS

|                                      |  |
|--------------------------------------|--|
| Current settings                     | 0-999mAac / 50Hz   |
| Current selection                    | Knob   |
| Phase start selection<br>0° and 180° | Referenced to Earth<br>Yes                                     |
| Over-temperature<br>protection       | Yes  |
| Phase polarity trip Indicator        | Referenced to Earth<br>Yes                                     |
| Operating voltage (L-E)              | 110 Vac to 450 Vac   |
| Timer resolution                     | 1ms (Max. Time = 99.999s)                                      |
| Timer accuracy                       | 1ms ±1ms   |
| Current accuracy                     | ±1% ±1mA   |
| Current resolution                   | 1mA  |
| Voltmeter accuracy (50Hz)            | 50-350 Vac = ±2%±1V<br>350-450 Vac = ±5%±1V                    |
| Voltmeter resolution                 | 1V   |
| Operating<br>temperature             | -5°C to 40°C   |
| Storage temperature                  | -10°C to 55°C  |
| Maximum current Specified at         | 450 Vac/50Hz   |
| Dimensions                           | 170(L) × 165(W) × 92(D)mm                                      |
| Weight (battery included)            | Approx. 1180g  |
| Power source                         | 1.5V (AA) × 8  |
| Safety standard                      | EN 61010-1 CAT III 450V<br>EN 50081-1 EN 50082-1               |
| Accessories                          | Instruction manual<br>Test leads<br>Shoulder belt<br>Batteries |

## RCD / GFCI / ELCB Tester



CE

**1812 EL**

**1812 EL-A 240Vac**  
**1812 EL-B 230Vac**  
**1812 EL-C 220Vac**  
**1812 EL-D 110Vac**

### FEATURES

- Microprocessor-controlled.
- 2 Lines × 16 Characters LCD.
- Very low consumption.
- Menu-driven.
- Accurate digital readout of disconnection time.
- Automatic data hold function.
- Zero Crossing Circuitry permit testing at 0° or 180°.
- Disconnection Phase Polarity shown on LCD display.
- Auto-off and off override.
- Polarity Trip indicator (Positive of Negative Phase).
- Wiring polarity indicator.
- Measure voltage and frequency between Line and Earth before testing.

### SPECIFICATIONS

|                                      |   |
|--------------------------------------|---|
| Current settings                     | 3mA, 5mA, 7mA, 10mA, 15mA,<br>20mA, 30mA, 35mA, 50mA,<br>100mA, 125mA, 150mA,<br>175mA, 250mA, 275mA,<br>300mA, 375mA, 500mA. |
| Current selection                    | Rotary switch selector  |
| Phase start selection<br>0° and 180° | Referenced to Earth<br>Yes  |
| Over-temperature<br>protection       | Yes (3 sensors)   |
| Wiring correctness<br>indication     | Yes (LEDs)  |
| Trip indicator                       | Yes (LCD)   |
| Phase polarity trip indicator        | Yes (LCD)<br>Referenced to Earth  |
| Voltmeter (L-E)                      | 20Vac ~ 280Vac  |
| Timer resolution                     | 1ms (Max. Time = 2.999s)  |
| Timer accuracy                       | ±2% ±2ms  |
| Current accuracy                     | ±5% ±1mA  |
| Voltmeter resolution                 | 1Vac  |
| Voltmeter accuracy                   | ±2%±1Vac  |
| Operating temperature                | -5°C to 45°C  |
| Storage temperature                  | -10°C to 55°C   |
| Dimensions                           | 170(L) × 165(W) × 92(D)mm   |
| Weight (battery included)            | Approx. 1020g   |
| Power source                         | 1.5V (AA) × 8   |
| Safety standard                      | EN 61010-1 CAT III 240V<br>EN 61326-1   |
| Accessories                          | Instruction manual<br>Test leads<br>Shoulder belt<br>Batteries  |