

漏電斷路器檢測計

3 PHASES INDUSTRIAL EARTH LEAKAGE TESTER & 3 PHASE PRESENCE & ROTATION INDICATOR



6221 EL

特點

- 可指示相序(順相或逆相)狀況。
- 可指示缺項情形。
- 可顯示漏電電流的靈敏度和跳脫時間。
- 電池電量指示燈。
- 可量測相對地電壓。
- 可作三相的ELCB測試。
- 低消耗電池能量。
- 測洩漏電流有保險絲保護設計。
- 漏電電流檢測從50V~300Vac(50/60Hz)。
- ELCB測試有LED指示。
- 作相序和缺相測試不需消耗電池能量。
- 通過歐洲安規驗證EN 61010-1 CAT III 500V。

規格

一.缺相狀況的檢測

- L1. L2. L3有氖燈指示
- 電壓範圍：100~450Vac
- 頻率範圍：10~400Hz

相序檢測

- 操作電壓：100Vac~450Vac
- 適用頻率：2~400Hz

保護措施

- 負載電壓：550V(兩極插座之間)
- 過載電壓：約450V(對地)

漏電斷路器檢測

- 電流設定：999mA ac/50-60Hz
- 電流選擇方式：旋扭操作
- 相位選擇：0°或180°
- 溫度過載保護：有
- 跳脫指示：有
- 操作電壓：100Vac~317Vac
- 時間解析度：1毫秒(最長時間：99.9秒)
- 電流容許誤差：±3%±4mA
- 電流解析度：1mA
- 電壓容許誤差：50~350Vac：±3%±2V
350~550Vac：±7%±3V

使用電池：1.5V(C型) x 8(顆)

外形尺寸：330(長) x 260(寬) x 160(高)mm

重量：約3.85公斤(含電池)

溫度條件：操作：-15°C~55°C

儲藏：-20°C~70°C

DIGITAL ELCB TESTER



CE

6221 EL

This Test Instrument is a **combined** 3 Phases Presence and Rotation Indicator combined with a 3 Phases Industrial Earth Leakage Tester.

When utilized as a 3 Phase Presence and Rotation Indicator, the instrument does not use the batteries and can still be utilized if the batteries are not present or if the batteries are too low.

The 3 phase Presence and Rotation Indicator which is inside the 6221 EL, takes its power from the circuit under test.

The Earth Leakage can be utilized on a Single Phase (up to 317Vac Line to Earth) or a **3 Phase Powered System** (550V Line to Line or Phase to Phase) with a protective Earth conductor.

The Earth Leakage requires batteries.

When utilized on a single phase, ensure correct connection between Line and Earth before using the tester.

When utilized on a **3 Phase Powered System**, the instrument is then utilized as a 3 Phases Presence and Rotation Indicator and a Earth leakage tester (selecting which phase to Earth will be utilized for the ELCB test).

When utilized on a 3 Phases Powered System, this instrument is a rotary field indication instrument which display all three phases by lighting up its corresponding Lamp. It display the rotation (clockwise or anti-clockwise) on a LED.

To test the tripping time or the tripping current of a Earth Leakage Circuit Breaker, make sure to connect the earth wire.

This instrument represents the quickest and easiest way for servicing, repairing and electrical maintenance of 3 phase system with earth leakage.

With this equipment, you can, before connecting Load to Supply: On the supply side; Quickly verify the presence of the three Phases on a 3 Phases Power System.

Confirm the Phase Rotation on a Powered 3 Phase System.

Test the Tripping (disconnection) current and time of the protections.



FEATURES

- Indicates Phase Rotation.
- Indicates Phase Presence.
- TEST for Disconnection Sensitivity.
- Indicates Battery Status.
- TEST for Disconnection Time.
- Measure Voltage Phase to Earth.
- Select One of 3 Phase to test ELCB.
- Color Coded test Leads.
- Phase Presence Indication from as low as 100Vac.
- Works from 8 x C size 1.5VBattery.
- Very Low Consumption.
- Fused Earth Leakage Tester .
- Lightweight, Robust & Compact.
- ELCB Works 50Vac to 330Vac 50Hz / 60Hz.
- Led indication of Voltage on ELCB.
- Phase Rotation and Presence does not require battery to indicate.
- IEC/EN 61010-1 CAT III 550V

SPECIFICATIONS

Determination of the Phase Presence

Nominal Voltage for Phase Presence Indication (the voltage required for the neon lamps L1, L2, L3 to lit up).....
From 100Vac to 450Vac.

Frequency Range From 10Hz to 400Hz.

Determination of the Phases Rotary Field Direction:

Direction (the voltage required to have the direction LEDs L1-L2-L3 or L2-L1-L3 to indicates)... From 100 to 450Vac.

Frequency Range From 2Hz to 400Hz.

Protection

OverLoad..... 550V (between all terminals)

Over Voltage Class III - 450V towards ground.

Earth Leakage

Current Settings 999mAac / 50Hz -60Hz

Current Selection Knob

Phase Start Selection(*) 0° and 180°

Over-Temperature Protection(*) Yes

Phase Polarity Trip Indicator(*) Yes

Operating Voltage (L-E) 110Vac to 317Vac

(*)Referenced to Earth

Timer Resolution 1mS (Max Time = 99.99S)

Timer Accuracy 1mS ±4mS

Current Accuracy ±3% ±4mA

Current Resolution 1mA

Voltmeter Accuracy (50Hz) 50-350 Vac = ±3%±2V

350-550Vac = ±7%±3V

Voltmeter Resolution 1V

Maximum Current Specified at 317Vac / 50Hz - 60Hz

Batteries 8 x C batteries

Bat OK Led = Vbat >9V

Dimensions: 330(L) x 260(W) x 160(D) mm

Weight: 3.85 kg (battery included)

Operating temperature Range: -15 °C to + 55 °C

Storage Temperature: -20 °C to + 70 °C

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