

# Installcheck

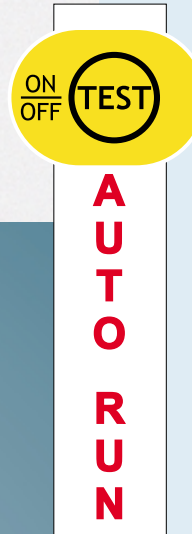
Easy and fast safety inspection of electrical installations

Indispensable for every electrical installer!

Standards:  
SIST HD 384  
VDE 0100  
BS 7671, 16th  
CEI 64.8



EN 61010  
EN 50081  
EN 50082

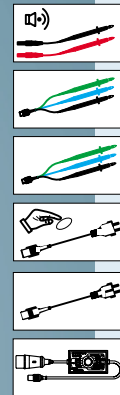


ONE - TOUCH ONLY  
- autotest of electrical circuit

Patent no. 200000308

- Line Resistance
- Loop Resistance (TN)
- Contact Voltage (Uc)
- Earth Resistance (TT)
- RCD Trip out Time
- Insulation L/PE & N/PE

## ADDITIONAL TESTS:



- Continuity (Buzzer-sound)
- Insulation - L / N, L / PE, N / PE
- Phase Rotation
- PE Error Test (dangerous voltage)
- Mains socket wiring analysis L / N / PE
- Three-phase measurement of insulation and resistance

### ● No LCD display needed

- OK-LED lamp confirms the on going measurement and shows the type of fault on the installation.
- Buzzer-sound signal confirms the completion of test operations.
- Flashing LED confirms test procedure and indicates the type of fault found in installation.

### ● All safety tests are done directly at the socket automatically in only 3 seconds

- One touch selection of the type of electrical installations depending on RCD/Fi.

### ● Additional particular tests: continuity, insulation L / N, L / L, L / PE, N / PE, phase rotation, PE Error test, three-phase measurement of insulation and resistance.

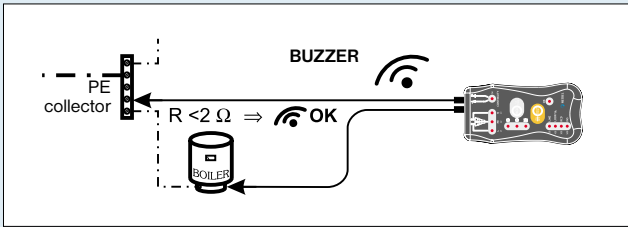
- Battery capacity over 35 hours.
- Auto power-off after 10 min.
- The tester is totally protected against incorrect operations and is mains voltage resistant in all the functions.



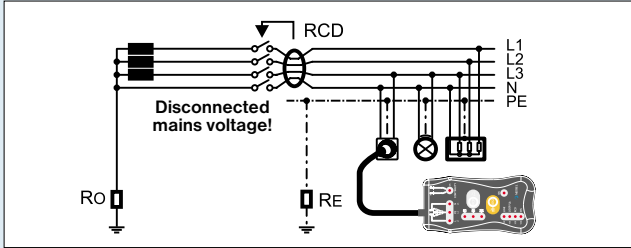
All the tests are done directly at the socket

# TYPICAL APPLICATIONS

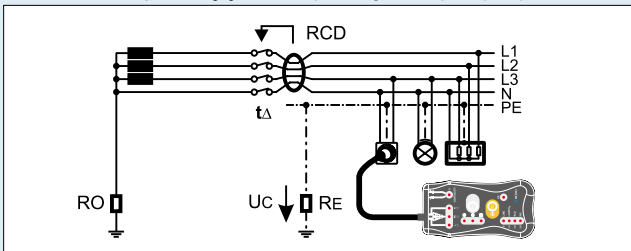
## CONTINUITY



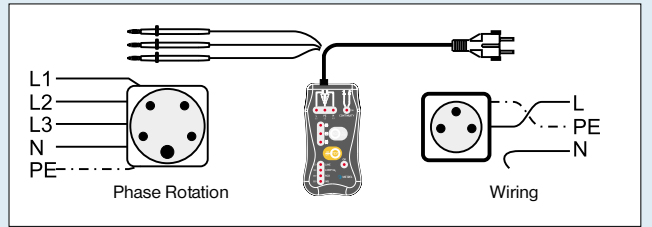
## INSULATION L/PE and N/PE



## Auto Test (trip-out $I_{\Delta N}^{RCD}$ ): Line, Loop (RE), Uc, t $\Delta$ , ISO

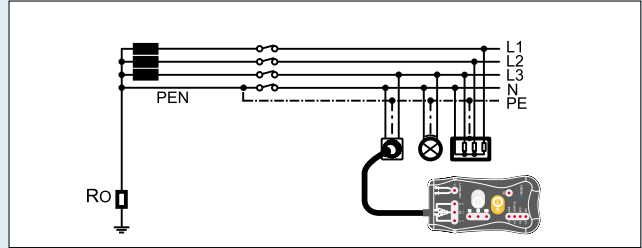


## PHASE ROTATION

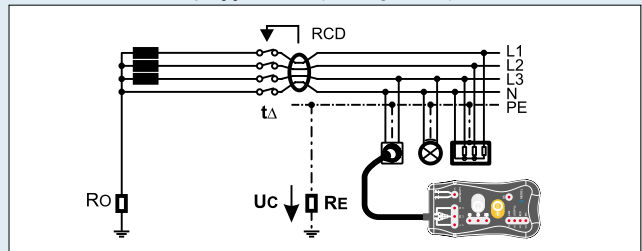


## OUTLET WIRING

## Auto Test (no RCD $I_{\Delta N}$ ): Line, Loop



## Auto Test (no-trip $I_{\Delta N}^{RCD}$ ): Line, Loop (RE), Uc



## Technical Specification

**Mains Socket Wiring Analysis** ..... Eight states recognized and displayed

**Phase rotation** ..... Un 440 V, 50 Hz

**PE Test** (presence of phase voltage) ..... yes

**Continuity** Limit value .....  $2 \Omega \pm 0.5 \Omega$

**Insulation Resistance** Limit value .....  $0.6 \div 1.2 M\Omega \pm 0.2 M\Omega$

Nominal test voltage ..... 500 V DC

**RCD Test**

Nominal differential current  $I_{\Delta N}$  ..... 30, 100, 300 or 500 mA

**Contact voltage** Limit value ..... 25 V at  $I_{\Delta N} \pm 5$  V

Test current .....  $< 0.5 I_{\Delta N}$

**Trip-out time of RCD** Limit value ..... 0.3 s ( $I_{\Delta N}$ ) or 0.04 s ( $5I_{\Delta N}$ )

Test current .....  $I_{\Delta N}$  (any selected  $I_{\Delta N}$ ) and  $5I_{\Delta N}$  (30 mA only)

**Fault Loop Resistance (RCD built-in)** Limit value ..... 25 V /  $I_{\Delta N}$

Test current .....  $< 0.5 I_{\Delta N}$

**Fault Loop Resistance (RCD not built-in)**

Limit value .....  $1.5 \Omega \pm 0.3 \Omega$

Test current ..... 0.5 A

**Line Resistance** Limit value .....  $1.5 \Omega \pm 0.3 \Omega$

Test current ..... 0.5 A

## General data

Power supply ..... 6 V (4 x 1.5 V alkaline battery IEC LR6)

Battery capacity ..... approx. 35 h

Results displayed ..... OK, or not OK by means of LED lamps

Sound signals ..... yes

Operating voltage ..... 220/230/240 V, 50 Hz

Dimensions (w x l x d) ..... 100 x 200 x 50 mm

Weight (without accessories, with batteries) ..... 0.6 kg

Overvoltage category ..... CAT III / 300 V

Working temperature range ..... 0 up to 40 °C

Auto power OFF ..... yes, 10 minutes after completion of last action

## Standard set

Order No.: MI 2150



- Instrument
- Carrying strap
- Shuko-plug test cable, 1.5 m
- Safety test leads with fixed test tips, 1.5 m, 2 pcs
- Instruction Manual
- Quick guide
- Calibration Certificate
- Declaration of Conformity
- Declaration of warranty

## Optional accessories

Order No.:



- Three phase adapter ..... **A 1111**
- Universal test cable 3 x 1.5 m with 3 safety test tips ..... **S 1112**
- Alligator clip (insulated) ..... **A 1114**
- Protection case ..... **A 1115**
- Soft carrying bag ..... **A 1020**

**METREL® - Measuring and Regulating Equipment Manufacturer, d.d.**

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Subject to technical change without notice!

Distributor: