

# InstalTest X Series: The Ultimate Touch Screen Multifunction Testers



InstalTest XC



InstalTest XD

## Multifunction Installation Testers

The Instaltest X Series are revolutionary touch screen multifunction installation testers for live and dead installation testing, verification and diagnosis. Test results can be saved for downloading to reporting software.

The units includes features never before seen on multifunction installation testers.

- Touch screen guarantees quick and intuitive operation. No confusing nested menus or rotary switches
- Basic and advanced live and dead socket and installation testing with tick or cross result and fault diagnosis
- Auto-sequences to verify sockets and installations in seconds by combining up to 6 single tests into a single push button sequence
- Power & total harmonic distortion measurements
- Light measurement
- Wire tracing and fuse identification

## High Volume RCD Testing

- Bar-code scanner input of asset IDs for high volume testing applications such as testing and recording 1,000s of RCD tests in industrial and medical applications.
- Logging of RCD push-button tests with a couple of keypresses. Ideal for high volume mandatory RCD testing and record keeping applications
- Random phase RCD test selection for medical installations.

## Additional InstalTest XD Functionality

- User defined Auto Sequences allow users to combine multiple single electrical tests into a single key press operation.
- User defined Inspections allows users to generate their own visual and functional inspections, replacing paper-based checklists.
- Includes ES Manager PRO software license for installation structure, Auto Sequences and Inspections upload/download, and Excel output.

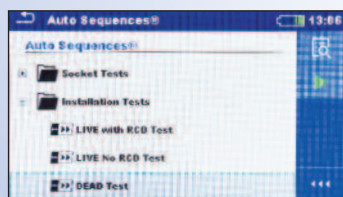
## Single Tests:

- Voltage
- Mohms & Ohms
- RCD
- Loop Impedance
- Line Impedance
- Earth Resistance
- Power & THD Measurements
- Illuminance
- Wire Tracing & Fuse Identification



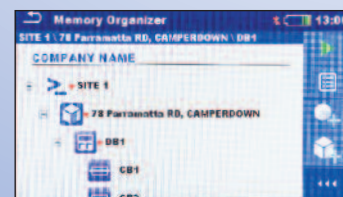
## Auto Sequences

- The InstalTest's unique Auto Sequences combine up to 6 single tests into a single key press operation.



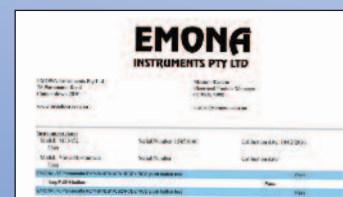
## Installation Structure

- The Site Schematic starts with site name and address and then you save your results according to DB, CB etc
- The site schematic can be entered into the InstalTest on-site or prepared on the ES Manager PRO software and uploaded into the instrument.



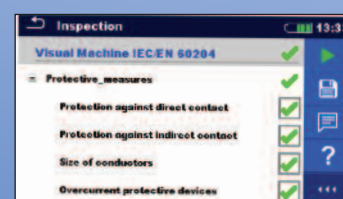
## Reporting

- Generate PDF reports and optional Excel output of your installation testing and verification for customer reporting and record keeping.

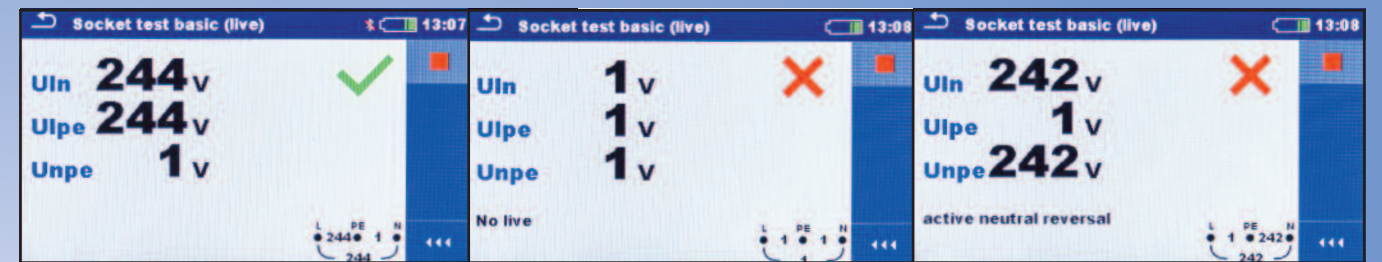


## Visual Inspections

- The InstalTest XD allows user defined visual inspections to be carried out on-screen and downloaded.



## LIVE Socket & Installation Fault Diagnosis



GOOD Result

Active Open Circuit FAIL Result

Active-Neutral Reversed FAIL Result

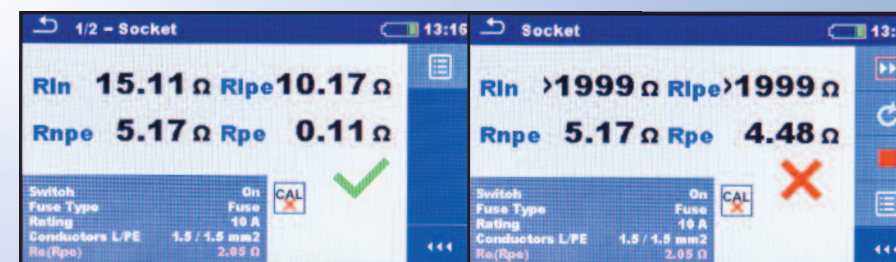


Earth Open Circuit FAIL Result

Earth 6 Ohm FAIL Result

Neutral-Earth Reversal FAIL Result

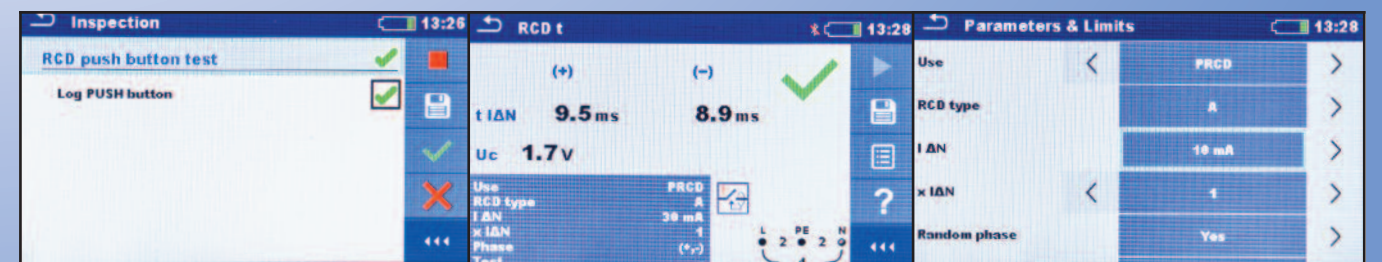
## DEAD Socket & Installation Fault Diagnosis



GOOD Result

Active Open Circuit FAIL Result

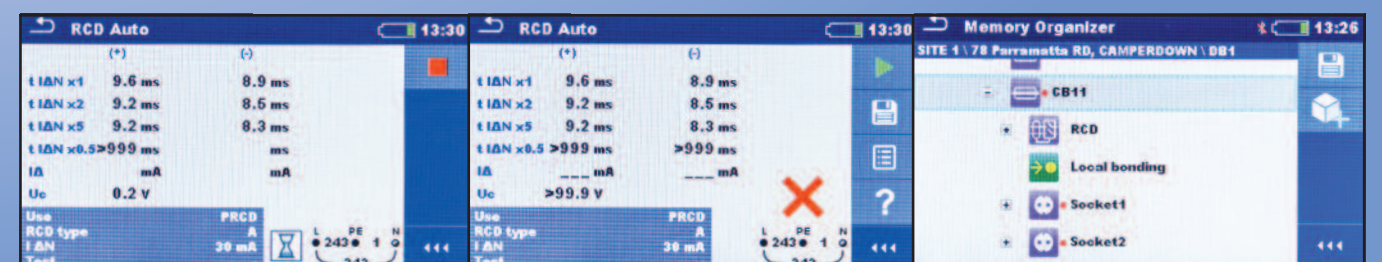
## RCD Push-Button Test, Trip Time Test & Result Logging



RCD Push-Button Test Log

RCD Trip Time (+/-) PASS Result

Random Phase Medical Installations



RCD Auto Test PASS Result

RCD Auto Test FAIL Result

Save Result to Installation Structure



## Specifications

**Voltage** 0 - 550V

**Frequency** 0 - 499.9Hz

**Phase Rotation**

**Continuity** 0 to 1999ohms, 200mA for earth resistance and equipotential bonding

**Insulation Resistance** 50V to 1000V, 0.01Mohm to 200Mohm. 50V to 2500V IT-XD Only.

**RCD Testing** trip time and trip current, 10mA, 30mA ... 1000mA, with 0° or 180° starting polarity and with random phase for medical installations

**Fault Loop Impedance** No RCD and With RCD

**Earth Resistance** 3 wire and optional 2 clamp methods

**Socket/Installation Dead/Live Test**

**Power** Watts, VA, VAR, Amps, PF, THD (Opt)

**Illuminance** 0.01Lux to 19.99kLux (Opt)

**Power Supply** 9V DC (6 x 1.5V size AA)

**COM Ports** BlueTooth, USB and RS232

**Weight** 1.3kg

**Size** 230 x 103 x 115mm

**Overvoltage Category** 600V CAT III and 300V CAT IV

**Kit Includes** mains measuring cable, 3 x test leads, 3 x test probes, 3 x crocodile clips, AC adaptor, NiMH rechargeable batteries and soft carry case.

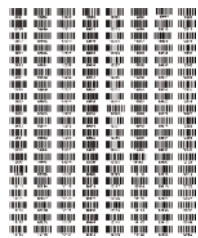
ES Manager BASIC Reporting Software - IT-XC  
ES Manager PRO Reporting Software - IT-XD

## Optional Accessories

### Bar Code Scanning Accessories



BCS-BT Bar Code Scanner



IT-ASSET Bar Code Labels

### Illuminance Measuring Sensors



A1172 Type B Lux Meter



A1173 Type C Lux Meter

### Current & Power Clamp Accessories



A1391 AC/DC 300A Clamp



A1018 Leakage & Power



A1019 Current & Power



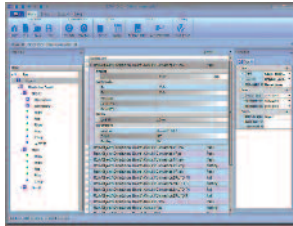
A119X Cable Tracer

### Wire Tracing Accessory

### Optional Software



P1102 aMSEM Android  
Devices License Key



P1101 ES Manager PRO  
License Key Upgrade

### Three Phase Testing Accessories



MI-TPI-20A-4 20A, 4 Pin  
MI-TPI-20A-5 20 A, 5 Pin  
MI-TPI-32A-4 32A, 4 Pin  
MI-TPI-32A-5 32A, 5 Pin

# InstalTest X Series

## The Ultimate Touch Screen Multi-Function Testers for Live and Dead Installation Testing



### 1. Multi-Function Tester

Replaces 5 instruments with 12 tests in one instrument: Multimeter, Insulation Tester, RCD Tester, Fault Loop/Line Impedance Tester and Phase Sequence Tester, with result recording and reporting software.

### 2. Installation Testing & Fault Diagnosis

Verification, fault-finding and diagnosis of live and dead installations, and compliance testing to AS/NZS3017 with download of test results for reporting.

### 3. High Volume RCD Test System

Bar-code scanner input of asset IDs, logging of push button RCD tests, save results to DB1, DB2 etc installation structure and random phase for medical installations provides a complete RCD testing system.

### 4. User Defined Auto-Sequences & Visual Inspections Logging

### 5. Power, Harmonics & Light Measurements

Available From:

**EMONA**

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Camberwell VIC 3124  
Tel (03) 9889 0427  
Fax (03) 9889 0715

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