

## 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

**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

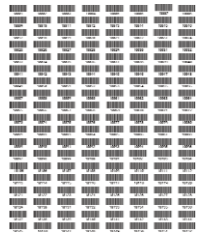
**Kit Includes** mains measuring cable, 3 x test leads, 3 x test probes, 3 x crocodile clips, 5ohm and 10ohm resistor box for socket test, AC adaptor, NiMH rechargeable batteries, ES Manager Reporting Software and soft carry case

## Optional Accessories

### Bar Code Scanning Accessories



BCS-BT Bar Code Scanner



RCD 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

### 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

Available From:

**EMONA**

Emona Instruments Pty Ltd  
email: testinst@emona.com.au  
web: www.instaltest.com.au www.emona.com.au

**NSW - Sales**  
78 Parramatta Road  
Camperdown N.S.W 2050  
Tel (02) 9519 3933  
Fax (02) 9550 1378

**VIC - Sales**  
4/1175 Toorak Road  
Camberwell VIC 3124  
Tel (03) 9889 0427  
Fax (03) 9889 0715

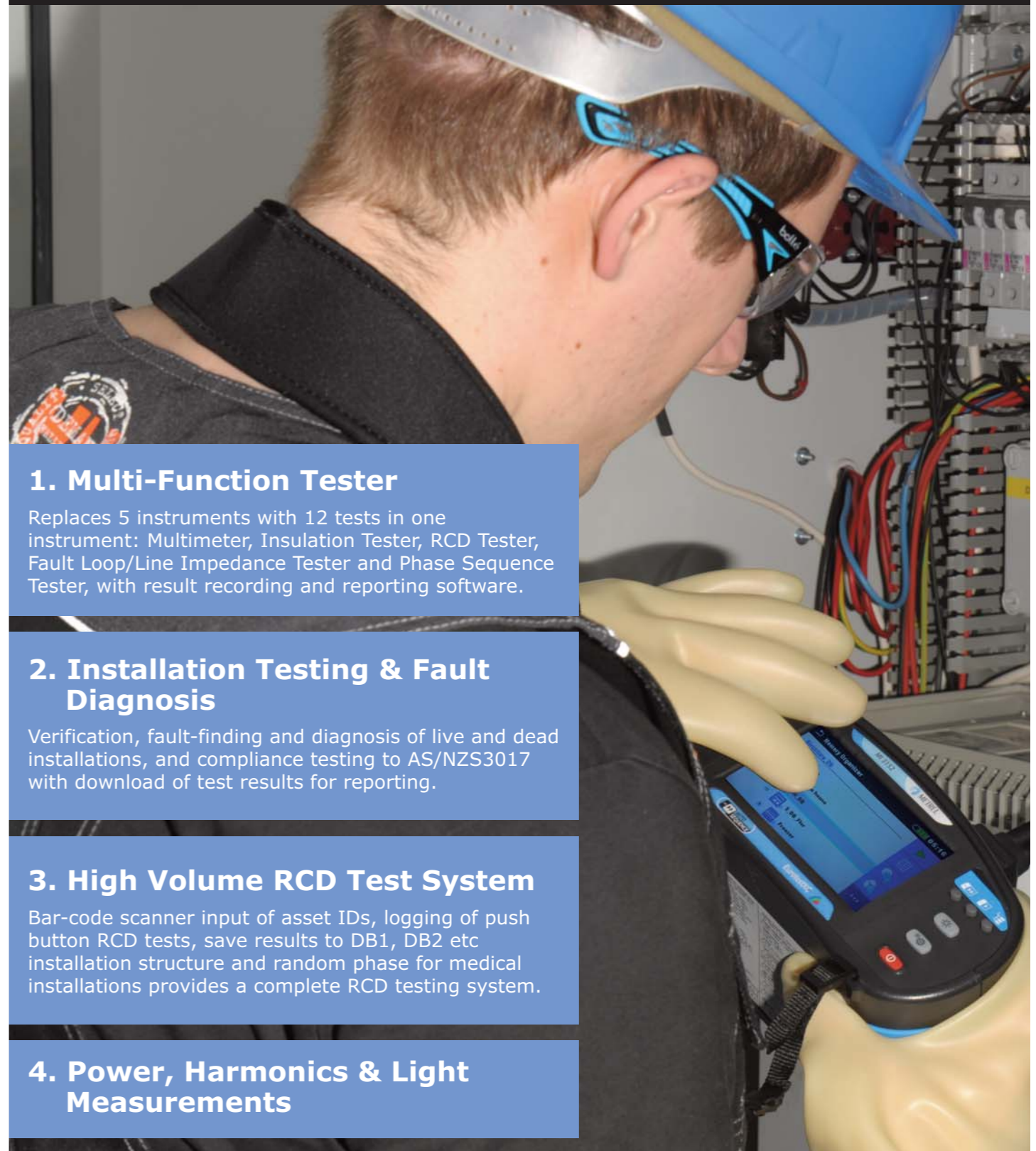
**QLD - Sales**  
1019 Ipswich Rd  
Moorooka QLD 4105  
Tel (07) 3392 7170  
Fax (07) 3848 9046

**WA - Sales**  
213a Belmont Ave  
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Tel (08) 9361 4200  
Fax (08) 9361 4300

**SA - Sales**  
3/26 The Parade West  
Kent Town SA 5067  
Tel (08) 8363 5733  
Fax (08) 8363 5799

# InstalTest XC

## The Ultimate Touch Screen Multi-Function Tester 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. Power, Harmonics & Light Measurements

# InstalTest XC: The Ultimate Touch Screen Multifunction Tester



The InstalTest XC is a revolutionary touch screen multifunction installation tester for live and dead installation testing, verification and diagnosis. Test results can be saved for downloading to reporting software.

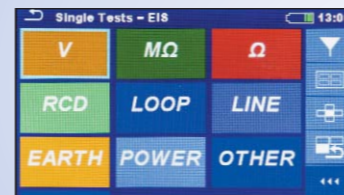
The unit includes features never before seen on a multifunction installation tester:

- 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
- 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
- Random phase RCD test selection for medical installations
- Power & total harmonic distortion measurements
- Light measurement
- Wire tracing and fuse identification

## Multifunction Installation Tester

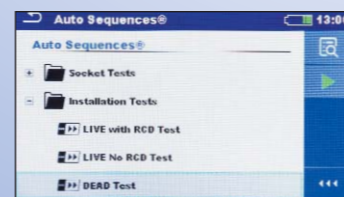
### Single Tests:

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



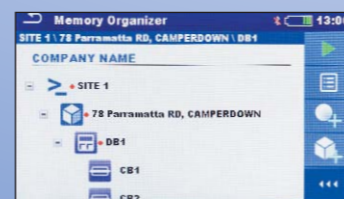
### Auto Sequences

- The InstalTest's unique Auto Sequences combine up to 6 single tests into a single key press operation.
- Verify and diagnose sockets and installations, both dead and live, quickly and easily.

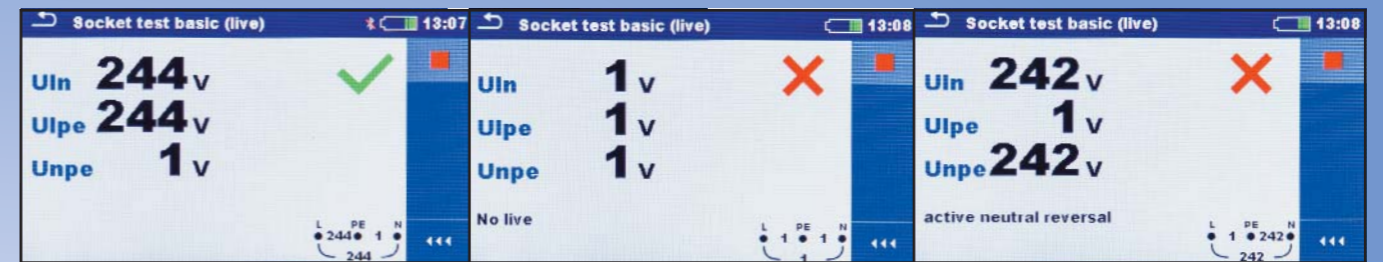


### Installation Structure

- The Site Schematic or Tree-Structure is a unique aspect of the InstalTest's test result reporting system.
- The hierarchy 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 EM Manager software and uploaded into the instrument. Structures can also be cloned to speed up result recording.



## LIVE Socket & Installation Fault Diagnosis



GOOD Result

Active Open Circuit FAIL Result

Active-Neutral Reversed FAIL Result

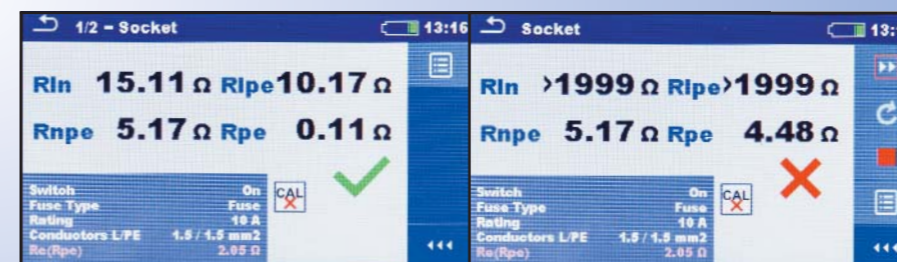


Earth Open Circuit FAIL Result

Earth 6 Ohm FAIL Result

Neutral-Earth Reversal FAIL Result

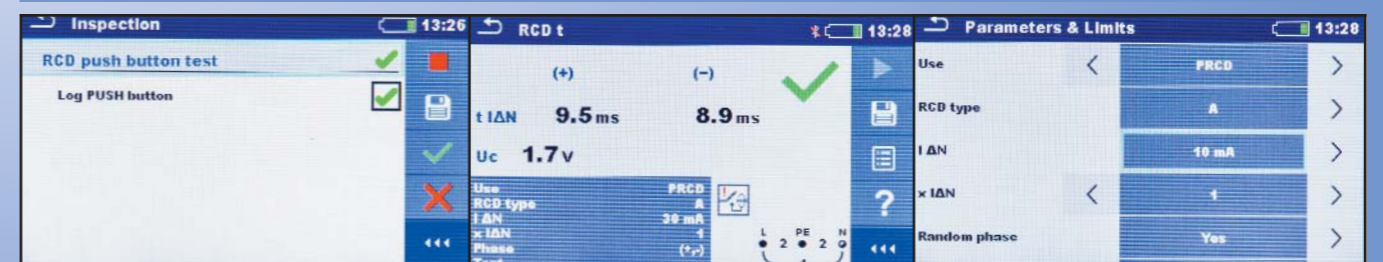
## DEAD Socket & Installation Fault Diagnosis



GOOD Result

Active Open Circuit FAIL Result

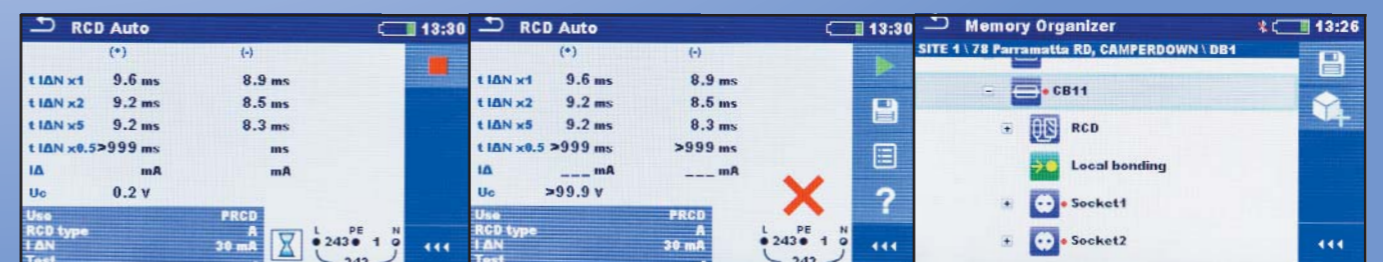
## RCD Push-Button Test, Trip Time Test & Result Logging



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