

# Wavecom



# TnT EL

## Portable Appliance Tester

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### Overview

The TnT EL is our most affordable offering in the latest generation of appliance testers from Wavecom. With a proven pedigree and a range of cutting edge features, the TnT EL sets a new standard for portable appliance testers.

The TnT EL boasts a comprehensive list of tests and analysis as required under the AS/NZS 3760:2022 Standards, with 10 amp current load capacity. Conducting tests is simple with one button test procedures and easy to read results.

With the flexibility of lithium ion battery power, the TnT EL gives you greater versatility with your testing than ever before. The internal lithium ion battery comes with safety focused design and more capacity to run the tester for up to 3000 sets of tests on a single charge.

Designed and manufactured in Australia to meet stringent testing requirements - some of the tightest in the world - TnT EL now sets its own new standard of reliability and ruggedness, and now features a 3 year conditional warranty.



### Features

- ◇ Class 1, Class 2, Earth Leakage and Extension Lead Tests to AS/NZS 3760 Standards
- ◇ Latest Generation Microprocessor Providing Faster Testing Times & Greater Testing Efficiency
- ◇ High power Lithium Ion Battery - Conduct over 3000 sets of tests on a single charge
- ◇ Simple Test Procedures & Easy To Read Results
- ◇ 10 Amp Load Current Capacity
- ◇ Rugged Design + Protective Carry Case
- ◇ 12 Month Calibration Certification and 3 Year Conditional Warranty
- ◇ Proudly Designed & Manufactured here in Australia



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## Specifications

### Mains Supply Tests

Checks Polarity and continuity of mains supply by LED indicators (A-N, A-E, and N-E). (Flashing red LED indicates test fail)

### Class I Tests- Earthed Appliance

Appliance Check: Ensures appliance is plugged in and turned on.  
Earth Bond Test: 200mA test current. Pass level Less than 1.0  $\Omega$ . Measurement: 0.01 $\Omega$  to 10  $\Omega$ .  
Insulation Test: 500VDC / 250VDC. Pass level Greater than 1M  $\Omega$ . Measurement: 0.1 $\Omega$  to 10M $\Omega$ .  
\*See also Leakage Test

### Class II Tests - Double Insulated Appliance

Appliance Check: Ensures appliance is plugged in and turned on.  
Insulation Test: 500VDC / 250VDC. Pass level greater than 1M $\Omega$ . Measurement: 0.1 $\Omega$  to 10M $\Omega$ .  
\*See also Leakage Test

### Extension Lead Tests

Earth Bond Test: 200mA test current. Pass level Less than 1 $\Omega$ . Measurement: 0.01 $\Omega$  to 10.0 $\Omega$ s  
Insulation Test: 500VDC / 250VDC. Pass level Greater than 1M $\Omega$ . Measurement: 0.1 $\Omega$  to 10.0M $\Omega$ .  
Continuity/Polarity Test: 250VAC check continuity and polarity of leads. Displays Pass/Fail

### Power Measurement

Leakage Current: 0 to 30.0mA at 200 to 265V  
Load Current: 0.0 to 10Amp (20Amp for TnT RCD 20A)  
Voltage: 200 to 265VAC - Power Factor: 0.00 to 1.00  
Apparent Power: 0 to 2400VA -Power 0 to 2400W

### Meter Mode®

Green flashing LED denotes Meter Mode is engaged  
Load Current: 0.0 to 10Amp  
Voltage: 200 to 265VAC  
Apparent Power: 0 to 2400VA  
Power: 0 to 2400W

### Leakage Tests

Leakage Current: 0 to 30.0mA at 200 to 265V  
Earth Leakage Test: 240VAC Mains. Pass level 1, 2.5, 5.0 mA leakage test levels  
Note 1: Pass level for CLASS 1 is 5 mA; pass level for CLASS 2 is 1 mA  
Note 2: Leakage test may be performed if a standard CLASS 1 or CLASS 2 is not possible

### Battery

6800 mAh, 7.2V, 48.96WH; Charge Time Approximately 4 Hours.





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### Comparison

Model	TnT EL	TnT RCD	TnT RCD 20A	TnT Titan	TnT Titan 20A
Class I/Class II Testing	✓	✓	✓	✓	✓
Extension Leads/Socket Polarity Testing	✓	✓	✓	✓	✓
Leakage Current Testing	✓	✓	✓	✓	✓
500V/250V Insulation Testing	✓	✓	✓	✓	✓
Mains Supply Testing	✓	✓	✓	✓	✓
Power Measurement	✓	✓	✓	✓	✓
Meter Mode	✓	✓	✓	✓	✓
Internal Lithium Ion Battery	✓	✓	✓	✓	✓
RCD Testing		✓	✓	✓	✓
Inbuilt Isolation Transformer		✓	✓	✓	✓
3 Phase Earth and Leakage Test <i>(Requires Additional 3 Phase Adapter)</i>	✓	✓	✓	✓	✓
Bluetooth Connectivity via WinPATS App				✓	✓
Android Tablet				✓	✓
Memory - 5000 Items to Unlimited Items <i>(Stored on Cloud Database with WinPATS App)</i>				✓	✓
Data Connectivity to PC/Printer/Tablet				✓	✓
10 Amp Operation	✓	✓	✓	✓	✓
20 Amp Operation			✓		✓



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## Contents

- ◇ TnT EL Portable Appliance Tester
- ◇ IEC Test Lead (500mm Orange)
- ◇ Earth Lead with Alligator Clips (1800mm Black)
- ◇ IEC Power Cable
- ◇ Wavecom Shoulder Strap
- ◇ 12 Month Calibration Certificate
- ◇ 3 Year Conditional Warranty
- ◇ User Manual
- ◇ Deluxe Carry Bag

## Optional Accessories

- ◇ 500mm Earth Strap (TnT-ES-500)
- ◇ 3 Phase Adaptor to 32A - 4 or 5 Pin (WCM-3Phase)
- ◇ 3 Phase Multi-Adaptor to 32 A (WCM-3PH-MADP)
- ◇ 3 Phase Multi-Adaptor Switch Selectable to 40 A (WCM-3PH-MADP-SW)
- ◇ Adaptor Cable - 20Amp/3Pin Socket (included with 20A units) (WCM-20/10)
- ◇ HBC Fuse (WCM-HCB10AM205)
- ◇ Test Probe Kit (WCM-Probe-Kit)
- ◇ Lightweight ATT Tags (Available in Blue, Black, Burgundy, Green, Orange, Red & Yellow) (WCM-ATT-TAGS-\*)
- ◇ Medium Strength TT Tags (Available in Blue, Black, Burgundy, Green, Orange, Red, White & Yellow) (WCM-TT-TAGS-\*)
- ◇ Heavy Duty Tags (Available in Blue, Black, Burgundy, Green, Orange, Red, White & Yellow) (WCM-TM-TAGS-\*)
- ◇ Super Heavy Duty Tags (Available in Blue, Black, Burgundy, Green, Orange, Red, White & Yellow) (WCM-TA-TAGS-\*)

## Ordering Information

- ◇ TnT EL (10 amps) (WCM-TNT-EL)

