

Wavecom



TnT Titan

Portable Appliance Tester





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Overview

The TnT Titan is the 5th generation of appliance tester from Wavecom. With a proven pedigree and a range of cutting edge features, the TnT Titan sets a new standard for portable appliance testers.

The TnT Titan boasts a comprehensive list of tests and analysis as required under the AS/NZS 3760:2010 Standards, with 10 amp (TnT Titan) and 20 amp (TnT Titan 20A) current load capacity versions available. Conducting tests is simple, either directly from the tester with one button test procedures, or via the new WinPATS App.

Where the TnT Titan truly sets itself apart from the rest is the Bluetooth module and accompanying WinPATS App. Using our new Android app, you can now connect your tester to compatible tablets, allowing you to control your tester, record results, create reports and more, all from the palm of your hand. The Bluetooth module features the latest Bluetooth Low Energy technology, which boasts 50 metre range and significantly less

power drain than older Bluetooth standards, giving you greater battery life than ever before.

With the flexibility of lithium ion battery power, the TnT Titan 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.

The new TnT Titan design has isolation functionality built in, eliminating the need for bulky external isolation transformers, making RCD tests quicker and easier. The TnT Titan is designed for high power efficiency and faster data processing and also comes with AC/DC power operation.

Designed and manufactured in Australia to meet stringent testing requirements - some of the tightest in the world - TnT Titan now sets its own new standard of reliability and ruggedness, and now features a 24 month conditional warranty.

Features

- ◇ Class I, Class II, RCD, Leakage, Extension Lead tests
- ◇ True RCD Trip Time and Ramp Up Test
- ◇ Simplified one button test procedures
- ◇ WinPATS voucher (Valued at \$30 + gst) for App purchase through Google playstore
- ◇ Virtually unlimited equipment/items storage through WinPATS support plan
- ◇ Includes a 8 inch 4G Android Telstra Tablet with mount accessories
- ◇ Bluetooth Low Energy Technology with inbuilt antenna, with over 50 metre range
- ◇ High power Lithium Ion Battery - Conduct over 3000 sets of Tests and Tag Prints on a single charge
- ◇ Built In Isolation Transformer circuitry for portable RCD Testing
- ◇ Real time clock for date and timestamps
- ◇ Meter mode function
- ◇ 10 amp operation (20 Amp operation optional)
- ◇ Large fonts during tests showing results and progress
- ◇ Advanced Bluetooth Laser Scanner (Optional)
- ◇ Conditional 24 month warranty
- ◇ Fully Australian designed & manufactured





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 Ω . Measurement: 0.01 Ω to 10 Ω .
Insulation Test: 500VDC / 250VDC. Pass level Greater than 1M Ω . Measurement: 0.1 Ω to 10M Ω .
*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 Ω . Measurement: 0.1 Ω to 10M Ω .
*See also Leakage Test

Extension Lead Tests

Earth Bond Test: 200mA test current. Pass level Less than 1 Ω . Measurement: 0.01 Ω to 10.0 Ω s
Insulation Test: 500VDC / 250VDC. Pass level Greater than 1M Ω . Measurement: 0.1 Ω to 10.0M Ω .
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 Titan 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

RCD Tests

Trip Current: 2 to 500mA in 1mA steps - User selectable.
Trip Time: 0 to 3,000ms at .001sec resolution.
Current Ramp Trip Test: 0 to 500mA in 1mA increments.

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

Memory

5000 Items Local Storage, virtually unlimited Cloud Storage with the new WinPATS App

Battery

4800 mAh, 44WH, Charge Time Around 4 Hours

Bluetooth

Bluetooth Low Energy technology with inbuilt antenna, with over 50 metre range

Tablet

8 inch 800 x 1280 HD screen, 4G Android tablet with 5 megapixel rear camera and 2 megapixel front camera, 1.28Ghz Quad Core processor with Android Go and mount accessories. Locked to Telstra network - to unlock your tablet please contact Telstra. Fees may apply.





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Comparison

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



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Contents

- ◇ TnT Titan Portable Appliance Tester
- ◇ 8 inch 4G Android Telstra Tablet with mount accessories
- ◇ Tablet USB Charging Cable
- ◇ USB-OTG Adapter
- ◇ WinPATS voucher (valued at \$30^{+GST}) for App Purchase through Google Playstore
- ◇ IEC Test Lead (500mm Orange)
- ◇ USB A to USB B Interface Cable
- ◇ Earth Lead with Alligator Clips (1800mm Black)
- ◇ IEC Power Cable (10A units)
- ◇ IEC 20/10 Power Cable with Circuit Breaker (20A Units)
- ◇ 12 Month Calibration Certificate
- ◇ 24 Month Conditional Warranty
- ◇ User Manual
- ◇ Quickstart Guide

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)
- ◇ RCD Test Lead Set (RCD Switchboard Testing) (WCM-RCD-TEST-LEADSET)
- ◇ HBC Fuse (WCM-HCB10AM205)
- ◇ Test Probe Kit (WCM-Probe-Kit)
- ◇ Wavecom Thermal Transfer Printer (WCM-TT040-50)
- ◇ Wavecom Printer Labels (WCM-TAG-*colour*)
- ◇ Wavecom Printer Ribbons (WCM-Ribbon)
- ◇ WinPATS Support Subscription In-App Purchase

Ordering Information

- ◇ TnT Titan (10 amps) (WCM-TNT-Titan)
- ◇ TnT Titan 20A (20 amps) (WCM-TNT-Titan-20A)

