

Wavecom



TnT Titan Series

Portable Appliance Testers

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Portable Appliance Testers

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.

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.

Where the TnT Titan truly sets itself apart from the rest is the Bluetooth module and 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.

With the TnT Titan Kit you'll never have to hand write another test tag again. Our latest Battery Powered Tag Printer gives you unrivalled flexibility when printing tags. Users can print up to 3,000 tags on a single charge, and tags can be printed via the WinPATS app up to 50 metres away using Bluetooth LE technology. The best in thermal transfer printing technology ensures clear, easy to read tags that last.

Designed and manufactured in Australia to meet stringent testing requirements - some of the tighest in the world - TnT Titan now sets its own new standard of reliability and ruggedness, and now features a 36 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
- ◇ Includes 3 Months of WinPATS Lite Cloud Storage & Support Plan *Full appliance test & print kit operation requires an active WinPATS Cloud Storage & Support Plan subscription, purchased separately. To learn more about WinPATS visit www.winpats.app*
- ◇ Virtually unlimited equipment/items storage through WinPATS support plan
- ◇ Includes an 8 inch 4G Android Tablet with mount accessories *(Excludes TnT Titan Lite)*
- ◇ 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 & 20 amp current capacity versions
- ◇ Large fonts during tests showing results and progress
- ◇ Thermal Transfer Tag Printer with Bluetooth Connectivity & Lithium Ion Battery *(TnT Titan Kit only)*
- ◇ Direct Thermal Tag Printer with Bluetooth Connectivity & Battery *(TnT Titan DT Kit only)*
- ◇ Advanced Bluetooth Barcode Scanner *(TnT Titan Kit & TnT Titan DT Kit only)*
- ◇ *Wavecom Padded Carry Bag* *(TnT Titan Lite, TnT Titan & TnT Titan DT Kit)*
- ◇ IP-67 Rated Heavy Duty Transit Case with Customised Insert *(TnT Titan Kit only)*
- ◇ Conditional 36 month warranty
- ◇ Fully Australian designed & manufactured



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The TnT Titan Lite

The TnT Titan Lite is our budget TnT Titan option. Offering all of the features of our latest generation of Appliance Tester from Wavecom, the TnT Titan Lite does not include an Android tablet to make the tester more affordable. Users can use their own Android Tablet or simply use the TnT Titan Lite without WinPATS using our one button testing system built into all our PAT Testers.

Offering a range of AS/NZS 3760:2022 standard tests, lithium ion battery power, integrated isolation transformer and more, the TnT Titan Lite is a fantastic entry level PAT testing solution that can be upgraded in the future to unleash its full potential.



The TnT Titan

The TnT Titan is our flagship handheld PAT tester, designed for use with our new WinPATS Pro PAT testing app for Android. The TnT Titan comes with an Android tablet and a three month trial subscription to WinPATS Pro with cloud storage and support, allowing you to see the benefits for yourself.

scale alike - users within the same organisation can work from the same testing database, updating results with the tap of a button with our cloud storage subscription options. Visit www.winpats.app to learn more about how WinPATS Pro can improve your PAT testing operations.



WinPATS Pro allows you to conduct tests using your tablet, save items and results to your database, generate reports from your testing results and more. WinPATS Pro is great for small scale testing and large

Offering the same range of features as the TnT Titan Lite plus the included Android Tablet, the TnT Titan makes appliance testing quick and easy.

The TnT Titan DT Kit

The TnT Titan DT Kit features all the benefits of the TnT Titan with the added bonus of a direct thermal tag printer. Conduct tests using the TnT Titan and print tags wirelessly, directly from the new WinPATS App.

thermal tag printer includes a belt clip, so it can be worn by your side. With Bluetooth connectivity and battery power, printing test tags has never been easier. Plus, using the included barcode scanner you can scan any of your tags and retrieve your item information and results instantly on WinPATS Pro, allowing you to retest the appliance with the tap of a button.



Designed for high volume testing, the TnT Titan DT Kit takes full advantage of WinPATS Pro with the Bluetooth printer. Get your Test results sent straight to your tablet from the TnT Titan, and then send tag prints to your printer, all from the palm of your hand. The direct

With all these features, the TnT Titan DT Kit is ideal for offices, shops, schools, and other indoor businesses.

The TnT Titan Kit

The TnT Titan Kit features all the benefits of the TnT Titan with the added bonus of our latest Battery Powered Tag Printer with Bluetooth Connectivity. Conduct tests using the TnT Titan and print tags wirelessly, directly from the new WinPATS App. Contained in an IP-67 Rated heavy duty case, the TnT Titan Kit will make test and tagging easier than ever.

printer, all from the palm of your hand. Our thermal transfer tag printers are the best on the market, offering long lasting tag prints with strong adhesives that last. Plus, using the included barcode scanner you can scan any of your tags and retrieve your item information and results instantly on WinPATS Pro, allowing you to retest the appliance with the tap of a button.



Designed for high volume testing, the TnT Titan Kit takes full advantage of WinPATS Pro with the Bluetooth printer. Get your Test results sent straight to your tablet from the TnT Titan, and then send tag prints to your

With all these features plus the heavy duty carry case, the TnT Titan Kit is unrivalled for making large scale appliance testing easier than ever.

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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 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

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

Bluetooth

Bluetooth Low Energy technology with inbuilt antenna

Tablet

(Excludes TnT Titan Lite)

8 inch 800 x 1280 HD screen, 4G Android tablet with 13 megapixel rear camera and 5 megapixel front camera, Qualcomm® Snapdragon™ 680 Octa-core Processor with Android 12 and docking accessories.



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Comparison

Model	TnT Titan Lite	TnT Titan 20A Lite	TnT Titan	TnT Titan 20A	TnT Titan DT Kit	TnT Titan 20A DT Kit	TnT Titan Kit	TnT Titan 20A Kit
AS/NZS 3760 Testing <i>Class I, Class II, Extension Leads, Earth Leakage Current, RCD Trip Time & RCD Ramp Current Testing</i>	✓	✓	✓	✓	✓	✓	✓	✓
Mains Supply Testing	✓	✓	✓	✓	✓	✓	✓	✓
Power Measurement	✓	✓	✓	✓	✓	✓	✓	✓
Meter Mode	✓	✓	✓	✓	✓	✓	✓	✓
Internal Lithium Ion Battery	✓	✓	✓	✓	✓	✓	✓	✓
Inbuilt Isolation Transformer	✓	✓	✓	✓	✓	✓	✓	✓
3 Phase Earth & Insulation Tests <i>(Requires Additional 3 Phase Adapter)</i>	✓	✓	✓	✓	✓	✓	✓	✓
WinPATS App Trial	✓	✓	✓	✓	✓	✓	✓	✓
Data Connectivity to PC/Printer/Tablet	✓	✓	✓	✓	✓	✓	✓	✓
Memory - 5000 to Unlimited Items <i>(Stored on Cloud Database with WinPATS App)</i>	✓	✓	✓	✓	✓	✓	✓	✓
Bluetooth Connectivity	✓	✓	✓	✓	✓	✓	✓	✓
Android Tablet			✓	✓	✓	✓	✓	✓
Bluetooth & Battery Powered Thermal Transfer Printer							✓	✓
Direct Thermal Tag Printer					✓	✓		
Bluetooth Tag Scanner					✓	✓	✓	✓
Wavecom Padded Carry Bag	✓	✓	✓	✓	✓	✓		
IP-67 Heavy Duty Transit Case							✓	✓
10 Amp Operation	✓	✓	✓	✓	✓	✓	✓	✓
20 Amp Operation		✓		✓		✓		✓

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Contents

- ◇ TnT Titan Portable Appliance Tester
- ◇ Includes 3 Months of WinPATS Lite Cloud Software license
- ◇ IEC Test Lead (500mm Orange)
- ◇ USB A to USB B Interface Cable
- ◇ Earth Lead with Alligator Clips (1800mm Black)
- ◇ IEC Power Cable
- ◇ Wavecom 16A-10A Adapter (20A Units)
- ◇ 12 Month Calibration Certificate
- ◇ 36 Month Conditional Warranty
- ◇ User Manual
- ◇ Quickstart Guide
- ◇ Wavecom Padded Carry Bag
Excludes TnT Titan Kit
- ◇ 8 inch 4G Android Tablet with mount accessories
Excludes TnT Titan Lite
- ◇ Tablet USB Charging Cable
Excludes TnT Titan Lite
- ◇ USB-OTG Adapter
Excludes TnT Titan Lite
- ◇ TT040-50-BB Bluetooth Printer with Battery Power
TnT Titan Kit Only
- ◇ Direct Thermal Tag Printer
TnT Titan DT Kit Only
- ◇ Advanced Laser Bluetooth Barcode Scanner
TnT Titan Kit & TnT Titan DT Kit Only
- ◇ IP-67 Rated Transit Case
TnT Titan Kit Only

Optional Accessories

- ◇ 500mm Earth Strap
- ◇ 3 Phase Adaptor to 32A - 4 or 5 Pin
- ◇ 3 Phase Multi-Adaptor to 32 A
- ◇ 3 Phase Multi-Adaptor Switch Selectable to 40 A
- ◇ Adaptor Cable - 20Amp/3Pin Socket (included with 20A units)
- ◇ RCD Test Lead Set (RCD Switchboard Testing)
- ◇ HBC Fuse
- ◇ Test Probe Kit
- ◇ Wavecom Thermal Transfer Printer
- ◇ Wavecom Printer Labels
- ◇ Wavecom Printer Ribbons
- ◇ Wavecom Direct Thermal Printer
- (TnT-ES-500)
- (WCM-3Phase)
- (WCM-3PH-MADP)
- (WCM-3PH-MADP-SW)
- (WCM-20/10)
- (WCM-RCD-TEST-LEADSET)
- (WCM-HCB10AM205)
- (WCM-Probe-Kit)
- (WCM-TT040-50)
- (WCM-TAG-*colour*)
- (WCM-Ribbon)
- (WCM27420)

Ordering Information

- ◇ TnT Titan Lite Portable Appliance Tester
- ◇ TnT Titan Lite 20A Portable Appliance Tester
- ◇ TnT Titan Portable Appliance Tester with Android Tablet
- ◇ TnT Titan 20A Portable Appliance Tester with Android Tablet
- ◇ TnT Titan DT Kit PAT Testing Kit with Android Tablet & Direct Thermal Printer
- ◇ TnT Titan DT Kit 20A PAT Testing Kit with Android Tablet & Direct Thermal Printer
- ◇ TnT Titan Kit PAT Testing Kit with Android Tablet & Thermal Transfer Printer
- ◇ TnT Titan Kit 20A PAT Testing Kit with Android Tablet & Thermal Transfer Printer
- WCM-TnT-Titan-Lite
- WCM-TnT-Titan-20A-Lite
- WCM-TnT-Titan
- WCM-TnT-Titan-20A
- WCM-TnT-Titan-DT-Kit
- WCM-TnT-Titan-20A-DT-Kit
- WCM-TnT-Titan-Kit
- WCM-TnT-Titan-20A-Kit



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