Wavecom

TnT Titan
Portable Appliance Tester

A-E
A-E will flash when appliance socket is live

N-E
If Red, Mains Supply Test has failed

A-N
A-N will flash when appliance socket is live

Appliance Test Socket

IEC Earth Return

CAUTION:
DO NOT APPLY MAINS VOLTAGE TO EARTH/LEAD SOCKET

TnT Titan Series
Portable Appliance Testers

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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.

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 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
◊ Includes a 3 Month Trial Subscription for WinPATS with cloud storage and support
◊ 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 operation (20 Amp operation optional)
◊ Large fonts during tests showing results and progress
◊ Battery Powered Tag Printer with Bluetooth Connectivity *(TnT Titan Kit only)*
◊ Advanced Bluetooth Barcode Scanner *(TnT Titan Kit only)*
◊ IP-67 Rated Heavy Duty Transit Case with Customised Insert *(TnT Titan Kit only)*
◊ Conditional 24 month warranty
◊ Fully Australian designed & manufactured

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.

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 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.

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 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.

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 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.

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: 0.01Ω to 10 Ω. Insulation Test: 500VDC / 250VDC. Pass level Greater than 1M Ω. Measurement: 0.1Ω to 10MΩ. *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 1MΩ. Measurement: 0.1Ω to 10MΩ. *See also Leakage Test
Extension Lead Tests	Earth Bond Test: 200mA test current. Pass level Less than 1Ω. Measurement: 0.01Ω to 10.0Ωs Insulation Test: 500VDC / 250VDC. Pass level Greater than 1MΩ. Measurement: 0.1Ω to 10.0MΩ. 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 *(Excludes TnT Titan Lite)*	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.

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Comparison

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

TnT Titan Series
Portable Appliance Testers

Contents

- ◊ TnT Titan Portable Appliance Tester
- ◊ 3 Month Trial Subscription for WinPATS Pro
  Download from the 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

- ◊ 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
  Excludes TnT Titan Lite & TnT Titan
- ◊ Advanced Laser Bluetooth Barcode Scanner
  Excludes TnT Titan Lite & TnT Titan
- ◊ IP-67 Rated Transit Case
  Excludes TnT Titan Lite & TnT Titan

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 Lite Portable Appliance Tester	WCM-TnT-Titan-Lite
◊ TnT Titan Lite 20A Portable Appliance Tester	WCM-TnT-Titan-20A-Lite
◊ TnT Titan Portable Appliance Tester with Android Tablet	WCM-TnT-Titan
◊ TnT Titan 20A Portable Appliance Tester with Android Tablet	WCM-TnT-Titan-20A
◊ TnT Titan Kit PAT Testing Kit with Android Tablet & Bluetooth Printer	WCM-TnT-Titan-Kit
◊ TnT Titan Kit 20A PAT Testing Kit with Android Tablet & Bluetooth Printer	WCM-TnT-Titan-20A-Kit