

# Wavecom



# TnP Prime

## *Portable Appliance Test and Print Kit*

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## Portable Appliance Test and Print Kit

### Overview

With 5 generations of industry respected models and a proven pedigree, you can rely on the new Gen 5 TnP-Prime Series, now available. The TnP-Prime Series provides a host of features and functions never before seen on any Test and Print unit, which now includes Bluetooth connectivity.

With solid 10Amp (TnP-Prime) and 20Amp (TnP-Prime-20A) capability, and the standard Meter Mode Function (providing instant power, voltage and current measurements), the Gen 5 TnP Prime Series boasts a comprehensive list of tests and analysis as required under the AS/NZS 3760:2010 Standards.

The TnP-Prime Series testers feature Lithium Ion Battery technology. The freedom from mains power gives you greater versatility for your testing than ever before. The internal lithium ion pack comes with safety focused design and more capacity to run the tester and thermal transfer printing together for up to 3000 sets of tests and tag prints on one charge!

The new TnP-Prime series design eliminates the need for a bulky external isolation transformer when testing portable RCD's. Our new advanced motherboard has isolation functionality built in, and is designed for high power efficiency and faster data processing and also comes with AC/DC power operation.

Our latest TnP-Prime models now feature Bluetooth Connectivity. Using the WinPATS 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 excellent battery life.

Designed and Manufactured in Australia to meet stringent testing requirements - some of the highest in the world - the Gen-5 TnP Prime Series now sets its own new standard of reliability and ruggedness.

### Features

- ◇ Class I, Class II, RCD, Leakage, Extension Lead tests
- ◇ Ideal for high volume testing
- ◇ 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
- ◇ 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
- ◇ Includes a 8 inch 4G Android tablet with mount accessories
- ◇ Thermal transfer Printer with the ability to embed your company logo and other information
- ◇ Hard Industrial Transit Carry Case (Large) manufactured from ultra high impact engineer structural material, IP67 rating, Shockproof.
- ◇ Aircraft cabin friendly transportable carry case
- ◇ Optional UV rated/industrial labels & ribbons available
- ◇ Conditional 24 month warranty
- ◇ Fully Australian designed & manufactured



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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 TnP Prime 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

6700 mA $\text{H}$ , 98WH, 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





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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)</i>	✓	✓	✓	✓
3 Phase Earth and Leakage Test <i>(Requires Additional 3 Phase Adapter)</i>	✓	✓	✓	✓
WinPATS Premium Software	✓	✓	✓	✓
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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# TnP Prime

## Portable Appliance Test and Print Kit



### Contents

- ◇ TnP Prime Integrated Appliance Tester
- ◇ 8 inch 4G Android tablet with mount accessories
- ◇ Tablet USB Charging Cable
- ◇ USB-OTG Adapter
- ◇ Advanced Bluetooth Laser Barcode Scanner
- ◇ Wavecom Thermal Transfer Printer
- ◇ WinPATS voucher (valued at \$30<sup>+GST</sup>) for App Purchase through Google Playstore
- ◇ Shockproof Industrial Case (IP67 Rated)
- ◇ 1 Roll (500) of White Labels
- ◇ 1 Roll of Printing Ribbon
- ◇ 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
- ◇ 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
- ◇ Additional Wavecom Printer Labels
- ◇ Additional Wavecom Printer Ribbons
- ◇ WinPATS Support Subscription
- (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-TAG-\*colour\*)
- (WCM-Ribbon)
- In-App Purchase

### Ordering Information

- ◇ TnP Prime (10 amps) (WCM-TNP-Prime)
- ◇ TnP Prime 20A (20 amps) (WCM-TNP-Prime-20A)

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