

# Wavecom



# The Next Generation 3PL Series *3 Phase Appliance Testers*

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# 3PL Series

## 3 Phase Appliance Testers

### Overview

The new generation of 3 phase appliance testers offers Single Phase and 3 Phase testing. The 3PL Series provides a full range of AS/NZS 3760:2022 tests including Class 1, Class 2, Extension Lead, RCD and Leakage tests. The TnP 3PLM varieties also offer 25A Earth Bond and 1000V Insulation tests. Simple test procedures, LED indicators and the integrated tag printer make high volume testing a breeze.

With the new WinPATS App you can now control your Wavecom 3 Phase Tester via Bluetooth. Using the included Android 4G-Ready Tablet you can conduct tests, print tags and get results straight to the palm of your hand. The PAT tester will send test results straight to WinPATS and at the tap of a button your data is backed up to a secure web server provided by AWS. Every Wavecom 3 Phase Tester includes a 3 month subscription to WinPATS, with cloud storage.

With the TnP 3PL Lite and TnP 3PLM you'll never have to hand write another test tag again. The integrated thermal transfer printer prints clear, easy to read tags that last. Our tags are tested to ensure that your test results, barcode and logo don't fade over time. Use the included Bluetooth laser scanner to scan barcodes and access your test results, item information and test due dates with the new WinPATS App.

Featuring a telescoping handle and luggage wheels in addition to the usual carry handle, the TnP Prime is easier than ever to transport. The heavy duty transit case is manufactured from ultra high impact engineer structural material. Offering IP67 rated dust and water protection, as well as shock resistance to bumps and falls, the 3PL Series can handle even the toughest conditions



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### Features

- ◇ Single Phase and 3 Phase Class I, Class II, RCD, Leakage, Extension Lead tests
- ◇ 25A Earth Bond Test (*TnP 3PLM Testers Only*)
- ◇ 1000V Insulation Test (*TnP 3PLM Testers Only*)
- ◇ Ideal for high volume testing, conforms fully to AS3760:2022
- ◇ 20, 32 and 50 Amp Current Capacity Options
- ◇ Simplified one button test procedures
- ◇ Includes a 3 Month Subscription for WinPATS with cloud storage and support
- ◇ Bluetooth Connectivity - Control Your TnP Titan Lite via the new WinPATS App. Conduct Tests, Save Results To The Cloud, Create Reports & Run Your Test & Tag Operations From One Place  
(Requires Android Device, not included)
- ◇ Bluetooth Low Energy Technology with inbuilt antenna, with over 50 metre range
- ◇ Real time clock for date and timestamps
- ◇ 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
- ◇ Meter mode function
- ◇ Easy to read screen with test progress and results
- ◇ Includes an Advanced Bluetooth Laser scanner
- ◇ Includes an 8 inch 4G Android Tablet with mount accessories
- ◇ Hard Industrial IP-67 Rated Transit Carry Case manufactured from impact resistant engineered structural material.
- ◇ Aircraft cabin friendly transportable carry case
- ◇ Conditional 36 month warranty
- ◇ 12 month calibration certificate to Australian Standards
- ◇ 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 (1000VDC also available for TnP 3PLM). 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 (1000VDC also available for TnP 3PLM). 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 (1000VDC also available for TnP 3PLM). 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 20 Amp (32A for TnP 3PLM 32A, 50A for TnP 3PLM 50A)  
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 20 Amp (32A for TnP 3PLM 32A, 50A for TnP 3PLM 50A)  
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 mAh, 98WH, Charge Time Around 4 Hours

#### Bluetooth

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



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### Comparison

Model	TnP 3PL Lite	TnP 3PLM 20A	TnP 3PLM 32A	TnP 3PLM 50A
Current Capacity	20A	20A	32A	50A
Class I/Class II Testing	✓	✓	✓	✓
Extension Leads/Socket Polarity	✓	✓	✓	✓
Leakage Current	✓	✓	✓	✓
500V/250V Insulation	✓	✓	✓	✓
RCD Testing	✓	✓	✓	✓
Mains Supply	✓	✓	✓	✓
Power Measurement	✓	✓	✓	✓
3 Phase Earth and Leakage Test	✓	✓	✓	✓
Meter Mode	✓	✓	✓	✓
Data Connectivity to PC/Printer/Tablet	✓	✓	✓	✓
WinPATS App	✓	✓	✓	✓
Bluetooth Connectivity	✓	✓	✓	✓
Android Tablet	✓	✓	✓	✓
Internal Lithium Ion Battery	✓	✓	✓	✓
Inbuilt Isolation Transformer	✓	✓	✓	✓
Advanced Bluetooth Tag Scanner	✓	✓	✓	✓
Integrated Thermal Transfer Tag Printer	✓	✓	✓	✓
1000V Insulation Test		✓	✓	✓
25A Earth Bond Test		✓	✓	✓

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## 3 Phase Appliance Testers

### Contents

- ◇ 3PL Series 3 Phase Appliance Tester
- ◇ 8 inch 4G Android Tablet with mount accessories
- ◇ Tablet USB Charging Cable
- ◇ Right Angle Micro USB Data Charging Cable
- ◇ USB-OTG Adapter
- ◇ 3 Month Subscription for WinPATS  
*Download from the Google Playstore*
- ◇ Advanced Bluetooth Scanner
- ◇ Thermal Transfer Printer
- ◇ Shockproof Industrial Case
- ◇ 1 Roll (500) of White Labels
- ◇ 1 Roll of Printing Ribbon
- ◇ USB A to USB B Interface Cable
- ◇ Single Phase Power Supply Lead
- ◇ 3 Phase Power Supply Lead
- ◇ 3 Phase Extension Test Lead
- ◇ Earth Lead with Alligator Clips (1800mm Black)
- ◇ IEC Test Lead (500mm Orange)
- ◇ 12 Month Calibration Certificate
- ◇ 36 Month Conditional Warranty

### Optional Accessories

- ◇ 500mm Earth Strap
- ◇ HBC Fuse
- ◇ Probe Kit
- ◇ Wavecom Thermal Transfer Printer
- ◇ Wavecom Printer Labels
- ◇ Wavecom Printer Ribbons
- ◇ WinPATS Extended Support (12 months)
- (TnT-ES-500)
- (WCM-HCB10AM205)
- (WCM-Probe)
- (WCM-TT040-50)
- (WCM-TAG-\*colour\*)
- (WCM-Ribbon)
- (WCM-WinPATS Support)

### Ordering Information

- ◇ TnP 3PL Lite 20A
- ◇ TnP 3PLM 20A
- ◇ TnP 3PLM 32A
- ◇ TnP 3PLM 50A
- WCM-TnP-3PL-Lite
- WCM-TnP-3PLM-20A
- WCM-TnP-3PLM-32A
- WCM-TnP-3PLM-50A



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