

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 3760:2010 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 Telstra 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 voucher for 1 WinPATS App license valued at \$30+GST

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 work site.



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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 AS3760:2010
- ◇ 20, 32 and 50 Amp Current Capacity Options
- ◇ 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
- ◇ Real time clock for date and timestamps
- ◇ 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 a 8 inch 4G Android Telstra* 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
- ◇ Optional UV rated/industrial labels & ribbons available
- ◇ Conditional 24 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 Ω . Measurement: 0.01 Ω to 10 Ω .
Insulation Test: 500VDC / 250VDC (1000VDC also available for TnP 3PLM). 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 (1000VDC also available for TnP 3PLM). 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 (1000VDC also available for TnP 3PLM). 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 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 Premium Software | ✓ | ✓ | ✓ | ✓ |
| 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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Contents

- ◇ 3PL Series 3 Phase Appliance Tester
- ◇ 8 inch 4G Android Telstra Tablet with mount accessories
- ◇ Tablet USB Charging Cable
- ◇ Right Angle Micro USB Data Charging Cable
- ◇ USB-OTG Adapter
- ◇ WinPATS voucher (valued at \$30^{+GST}) for App Purchase through 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
- ◇ 24 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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