



The 3PLM Series

Single & 3 Phase Portable Appliance Test & Print Kit

Australia's Premier Single & 3 Phase Appliance Testing Solution

3PLM Series

Single & 3 Phase Portable Appliance Test & Print Kit



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Ideal For

Anyone needing to test three phase appliances, extension leads or other items, in addition to single phase items.

Features

- Fully AS/NZS 3760:2022 Compliant
- Single & 3 Phase Class 1, Class 2, Extension Lead, Earth Leakage, RCD Trip Time & RCD Ramp Current Tests, Plus 3 Phase Earth Bond, Extension Lead, And Earth Leakage Tests
- 1000V Insulation Tests & 25A Earth Bond Tests
- Android 4G Tablet With Winpats Pro
- Bluetooth Connectivity - Control Your 3PLM Series Via The New Winpats Pro App. Conduct Tests, Print Tags, Save Results To The Cloud, Create Reports & Run Your Test & Tag Operations From One Place.

- Lithium Ion Battery Power - Conduct Over 3,000 Sets Of Tests Per Charge
- Thermal Transfer Tag Printer
- Advanced Bluetooth Barcode Scanner
- 20 Amp, 32 Amp & 50 Amp Load Current Capacity Versions Available
- Meter Mode For Measuring Voltage, Current And Power Of Appliances
- IP-67 Rated Heavy Duty Transit Case
- 12 Month Calibration Certification
- 3 Year Conditional Warranty
- Proudly Designed & Manufactured In Australia

Overview

The TnP 3PLM is our cutting edge single and three phase appliance testing solution. 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 also offers 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 3PLM Tester includes a 3 month subscription to WinPATS, with cloud storage.

With the 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 3PLM 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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Specifications

This instrument in general meets the requirements of relevant IEC, NZS & CE Safety Class II, CAT III 300V

Mains Supply Tests	Checks polarity and continuity of mains supply by LED indicators (Active to Neutral, Active to Earth, & Neutral to Earth).
Class I Tests- Eartherd 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. <i>*See also: Leakage Test</i>
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. <i>*See also: Leakage Test</i>
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.
Meter Mode®	Green flashing LED denotes Meter Mode is engaged. Load Current: 0.0 to 10 Amps - 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. <i>Note 1: Pass level for CLASS 1 is 5 mA; pass level for CLASS 2 is 1 mA.</i> <i>Note 2: Leakage test may be performed if a standard CLASS 1 or CLASS 2 is not possible.</i>
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.
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 13 megapixel rear camera and 5 megapixel front camera, Qualcomm® Snapdragon™ 680 Octa-core Processor with Android 12 and docking accessories.
Battery	6800 mAH, 7.2V, 48.96WH; Charge Time Approximately 4 Hours.
AC Input Power	110-240VAC, 50/60Hz
Dimensions	600 x 370 x 260mm, 12kg

Models



The TnP 3PLM 20A
Single & 3 Phase Portable Appliance
Test & Print Kit

WCM-TnP-3PLM-20A



The TnP 3PLM 32A
Single & 3 Phase Portable Appliance
Test & Print Kit

WCM-TnP-3PLM-32A



The TnP 3PLM 50A
Single & 3 Phase Portable Appliance
Test & Print Kit

WCM-TnP-3PLM-50A

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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

Accessories

• WinPATS Support Subscription	In-App Purchase
• 500mm Earth Strap	TnT-ES-500
• 1000mm Earth Strap	TnT-ES-X
• Figure 8 IEC C13 Adapter	WCM-8-ADPT
• Cloverleaf IEC C13 Adapter	WCM-CLOVER-ADPT
• HBC Fuse	WCM-HCB10AM205
• Test Probe Kit	WCM-Probe-Kit
• Thermal Transfer Tags	WCM-TAG-*
• Thermal Transfer Printing Ribbon	WCM-RIBBON
• UV Resistant Thermal Transfer Tags	WCM-UV-TAG-*
• UV Resistant Thermal Transfer Printing Ribbon	WCM-UV-RIBBON



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