Wavecom

TnP-500
Portable Appliance Test and Print Kit

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TnP-500 Series
Portable Appliance Test and Print Kits

Overview

The TnP-500 Series is our fourth generation of portable appliance tester, offering a range of features to make testing and tagging simple.

With solid 10 Amp capability, and a totally new Meter Mode Function (providing instant power, voltage and current measurements), the TnP-500 boasts a comprehensive list of tests and analysis as required under the AS/NZS 3760:2022 Standards.

Featuring an integrated tag printer and onboard memory, you can record items in the built-in database, conduct tests and print tags all in one unit. Retesting is made easy using the barcode scanner - simply scan the barcode on your printed tag and the TnP-500 will find the item in your database for you. Keeping long term records of your test results has never been easier.

The TnP-500 now features Bluetooth Connectivity. Using the WinPATS App, you can now connect your tester to compatible mobile phones and 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 tighest in the world - the Gen-4 TnP 500 offers a fantastic value for money testing and tagging system.

Features

◊   Fully Integrated Test and Tag Printing System

◊   Designed for AS/NZS 3760:2022 Testing

◊   Class I, Class II, RCD, Leakage, Extension Lead Tests

◊   Simple One Button Test Procedures

◊   Bluetooth Connectivity - Control Your TnP-500 via the new WinPATS Pro App. Conduct Tests, Save Results To The Cloud, Create Reports & Run Your Test & Tag Operations From One Place.
    (Requires Android Device, not included)

◊   5,000 Item & Test Result Storage

◊   Integrated Thermal Transfer Printer for Long Lasting Test Tags, Customised with your logo

◊   Barcode Scanner Makes Retesting Easy

◊   10 Amp Current Capacity

◊   Heavy Duty Carry Case

◊   Optional UV Resistant & Heavy Duty tags & ribbons available

◊   3 Year Warranty and 12 Month Calibration Certificate

◊   Designed and Manufactured in Australia

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

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Comparison

Model	TnP-500	TnP Prime New!	TnP Prime 20A New!
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	✔	✔	✔
3 Phase Earth & Insulation Tests *(Requires Additional 3 Phase Adapter)*	✔	✔	✔
WinPATS Premium Software	✔	✔	✔
WinPATS App	✔	✔	✔
Bluetooth Connectivity	✔	✔	✔
Integrated Thermal Transfer Tag Printer	✔	✔	✔
Advanced Bluetooth Tag Scanner		✔	✔
Android Tablet		✔	✔
Internal Lithium Ion Battery		✔	✔
Inbuilt Isolation Transformer		✔	✔
10 Amp Operation	✔	✔	
20 Amp Operation			✔

TnP-500 Series
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Contents

- TnP-500 PAT Tester
- Wavecom Keyboard
- Wavecom Scanner
- Wavecom Thermal Transfer Printer
- WinPATS Asset Management Software
- Heavy Duty Transit Case
- IEC Test Lead (500mm Orange)
- USB A to USB B Interface Cable

- Serial Scanner Cable
- 500 White Printable Tags (1x Roll)
- 1 Roll of Printing Ribbon
- Earth Lead with Alligator Clips (1800mm Black)
- Locking IEC Power Cable
- User Manual & Quickstart Guide
- 12 Month Calibration Certificate
- 36 Month Conditional Warranty

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)
Additional Wavecom Printer Labels	(WCM-TAG-*colour*)
Additional Wavecom Printer Ribbons	(WCM-Ribbon)
WinPATS Support Subscription	In-App Purchase

Ordering Information

TnP-500 (10 Amps)	WCM-TNP-500