

Wavecom Instruments

TnP-500 Series

Test n Print Units



Contact us

South Australia
257 Grange Road
Findon, SA 5023
P: +61 08 8243 3500
F: +61 08 8243 3501
E: sales@wavecom.com.au

Victoria
Suite 8, 79-83 High Street,
Kew, VIC 3101
P: +61 08 8243 3500
F: +61 08 8243 3501
E: sales@wavecom.com.au

Western Australia
Unit 2/17 Casino Street,
Welshpool, WA 6016
P: +61 08 9353 1943
F: +61 08 9353 4319
E: saleswa@wavecom.com.au

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TnP-500 Series

Now with Lithium Ion Battery Operation

Overview

With four generations of industry respected models and a proven pedigree, you can rely on the new Gen 4 TnP-500 Series, now available.

The TnP-500 Series provides a host of features and functions never before seen on any Test and Print unit.

With solid **10Amp (TnP-500/B)** and **20Amp (TnP-500X/BX)** capability, and a totally new Meter Mode Function (providing instant power, voltage and current measurements), **the Gen 4 TnP 500 Series boasts a comprehensive list of tests and analysis as required under the AS/NZS 3760:2010 Standards.**

The new TnP-500B 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.

Designed and Manufactured in Australia to meet stringent testing requirements - some of the highest in the world - the Gen-4 TnP 500 Series now sets its own new standard of reliability and ruggedness. This makes the Gen 4 TnP 500 Series a unique and specialised product, capable of performing any test as specified and reporting/recording results in a clear yet concise manner, with display readings that make sense.

The new advanced TnP-500B series integrated tester with Lithium Ion Battery technology gives you greater versatility and functions in the absence of mains power. 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!

Features

- ◇ Perfect for high volume testing
- ◇ 5000 items storage or optional 20,000 item memory
- ◇ Over 3000 Sets of Tests and Tag Prints on a Single Charge
- ◇ Real time clock for dates/ time stamp
- ◇ Meter mode function
- ◇ 10 amp operation (20 Amp operation optional)
- ◇ Simplified one button testing
- ◇ Large fonts during tests showing results and progress
- ◇ Optional wireless scanner available
- ◇ WinPATS Premium software
- ◇ Thermal transfer Printer
- ◇ Built In Isolation Transformer for RCD Testing
- ◇ Hard Transit Carry Case (Large) manufactured from ultra high impact structural polymer
- ◇ Provides the ability to embed your company logo and other information
- ◇ 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 Ω. Measurement: 0.01Ω to 10 Ω. Insulation Test: 500VDC / 250VDC. Pass level Greater than 1M Ω. Measurement: 0.1Ω to 10MΩ. *See also LeakageTest
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 (20Amp for TnP-500X) 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 - <i>User selectable.</i> Trip Time: 0 to 3,000ms at .001sec resolution. Current Ramp Trip Test: 0 to 500mA in <i>1mA increments.</i>
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>
Memory	5000 Items - 20,000 item upgrade optional
Battery	6700 mAH, 98WH, Charge Time Around 4 Hours

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Comparison

Model	500	500X	500W	500WX	500B	500BX	500BW	500BWX
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 (20,000 item optional)	✓	✓	✓	✓	✓	✓	✓	✓
3 Phase Earth and Leakage Test	✓	✓	✓	✓	✓	✓	✓	✓
WinPATS Premium Software	✓	✓	✓	✓	✓	✓	✓	✓
10 Amp Operation	✓		✓		✓		✓	
20 Amp Operation		✓		✓		✓		✓
Lithium Ion Battery					✓	✓	✓	✓
Wireless Scanner			✓	✓			✓	✓
Inbuilt Isolation Transformer					✓	✓	✓	✓

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Contents

- ◇ TnP 500 Series Integrated Test n Print System
- ◇ Wavecom Keyboard
- ◇ Wavecom Scanner
- ◇ Wavecom Thermal Transfer Printer
- ◇ WinPATS Premium Asset Management Software
- ◇ Heavy Duty Transit Case
- ◇ 12 Month Calibration Certificate
- ◇ IEC Test Lead (500mm Orange)
- ◇ USB A to USB B Interface Cable
- ◇ Serial Scanner Cable
- ◇ 1 Roll (500) of White Labels
- ◇ 1 Roll of Printing Ribbon
- ◇ Earth Lead with Alligator Clips (1800mm Black)
- ◇ Locking IEC Power Cable (10A units)
- ◇ Locking IEC 20/10 Power Cable with Circuit Breaker (20A Units)
- ◇ User Manual & Quickstart Guide

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)
- ◇ Isolation Transformer (WCM-ISOT)
- ◇ 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 Extended Support (12 months) (WCM-WinPATS Support)

Ordering Information

- ◇ TnP-500 @ 10Amps (WCM-TNP-500)
- ◇ TnP-500 @ 10Amps with Wireless Operation (WCM-TNP-500W)
- ◇ TnP-500 @ 20Amps (WCM-TNP-500X)
- ◇ TnP-500 @ 20Amps with Wireless Operation (WCM-TNP-500WX)
- ◇ TnP-500B @ 10Amps with Battery Operation (WCM-TNP-500B)
- ◇ TnP-500B @ 20Amps with Battery Operation (WCM-TNP-500BX)
- ◇ TnP-500B @ 10 Amps with Wireless and Battery Operation (WCM-TNP-500BW)
- ◇ TnP-500B @ 20 Amps with Wireless and Battery Operation (WCM-TNP-500BWx)

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