

TnP-500

Test n Print Unit

with Memory & Asset Management Software



With three generations of Industry respected models and a proven pedigree you can rely on, the new Gen4 TnP Unit Series is now available in Australia and New Zealand.

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



With solid **10Amp (TnP-500)** and ***20Amp** capability (***TnP-500X**) and a totally new **Meter Mode®** function (providing instant power, voltage and current measurements) the **Gen4 TnP Unit** boasts a comprehensive list of tests and analysis as required under our AS/NZS 3760:2010 Standards.


Designed and Manufactured in Australia to meet stringent testing requirements - some of the tightest in the world - the **Gen4 TnP Units**, now sets its own new standard of reliability and ruggedness.

This makes the **Gen4** 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 TnP Unit has been designed for high volume testing programs where records are a paramount issue. This totally integrated system provides electrical testing with barcode printing and scanning, full key board entry with high quality tag printing and reading.

This robust system also provides the ability to

Features

- ▶ TnP Appliance Tester Unit for high volume testing
- ▶ Comes with 5000 items storage & optional 20,000 item memory
- ▶ Thermal Transfer printer
- ▶ Laser barcode scanner or with optional Wireless scanner
- ▶ Robust carrying case
- ▶ Full QWERTY keyboard
- ▶ Real time clock for dates/time stamp
- ▶ Programmable user & site names
- ▶ WinPATS memory Software
- ▶ Meter Mode  **TnT Gen4** series
- ▶ Optional 20 amp operation (TnP-500X)
- ▶ Simplified one button testing
- ▶ Large fonts during tests showing results and progress



Wavecom Instruments – Superior Australian Technology

Australian designed and manufactured to support AS/NZS 3760: 2010 Standard

www.wavecom.com.au



Specifications

Quick Overview:

The **TnP Unit** series is developed around one of the most powerful Microprocessors used in any appliance tester world wide, allowing the **Unit** to perform a series of complex & accurate internal calculations.

The result is an easy to use, intuitive Test n Print Unit, designed to test for electrical safety and accuracy of 240VAC rated appliances (including RCD results). Simple one button automatic testing makes this unit fast and easy to use.

The large Backlit LCD display shows easy to follow menus, meaningful icons & selectable test screens for simpler user operation.

'On-start' tests range from mains supply testing, check of connectivity, polarity with flashing fail indicators (also when test has failed), through to user selectable options where applicable, e.g. RCD ramp current etc. and the flexibility of this unit suits all levels of Industry.

Advanced features include ability to extend some test functions/ times, e.g. the earth bond test to 30 seconds allowing operators to obtain proper contact with the earth of some appliances.

Memory

- ▶ Storage of up to 5,000 items with 8 tests per second record= 40,000 tests.
- ▶ Each item includes site (max 16), Location, Description, Make, Model, Serial No., Asset No., Test Frequency, Test Type, Comments, No. of Tests.
- ▶ Stores a library of thousands of locations, description, makes, models, and user comments
- ▶ Real time and date of test record
- ▶ Compatible with keyboard/scanner for easy data entry
- ▶ Upload and Download records to PC with WinPATS memory software

Optional Accessories | Order Information

3-Phase Adaptor	Part No: WCM-3phase
Tinned Copper Braid	Part No: TnT-ES500
Isolation Transformer	Part No: WCM-ISOT
Hydraulic Trolley	Part No: WCM-TROLLEY
Wireless Scanner	Part No: WCM-WScanner
Adaptor Cable- 20Amp/3Pin socket to 10Amp/3Pin plug	Part No: WCM-IEC-20/10

Contact us

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Tests Performed

Mains Supply Test

- ▶ Checks Polarity and continuity of mains supply by LED indicators (A-N, A-E, and N-E). (Flashing- Test Fail Indicator)

CLASS 1 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 2 Double Insulated Appliance

- ▶ Appliance Check: Ensures appliance is plugged in and turned on.
- ▶ Earth Bond Test: 200mA test current. Pass level Less than 1.0Ω. Measurement: 0.1Ω to 10Ω.
Insulation Test: 500VDC / 250VDC. Pass level greater than 1MΩ. Measurement: 0.1Ω to 10MΩ. *See also Leakage Test

Extension Leads

- ▶ 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.

Leakage Test *

- ▶ 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 with up to 10Amp load operation.
*Optional model is capable of up to **20 Amp load**
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 for any reason a standard CLASS 1 or CLASS 2 is not possible.

RCD Test

- ▶ 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**.

Power Measurement

- ▶ Leakage Current: 0 to 30.0mA at 200 to 265V
- ▶ Load Current: 0.0 to 10Amp (20Amp for TnT +XM)
- ▶ Voltage: 200 to 265VAC
- ▶ Power Factor: 0.00 to 1.00
- ▶ Apparent Power: 0 to 2400VA
- ▶ Power 0 to 2400W

Meter Mode®

- ▶ Load Current: 0.0 to 10Amp
- ▶ Voltage: 200 to 265VAC
- ▶ Apparent Power: 0 to 2400VA
- ▶ Power: 0 to 2400W

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