



Electromate
Simply better electrical products

TNT +



Auto ASF

Appliance Sensing Function

(Checks the appliance is plugged in and switched on)



FUNCTIONS OF THE TNT+

- Simple One Button Testing
- Tests Sensitive Electronic Equipment
- Pass / Fail Indicator
- Test Surge Protection Devices MOV's at 250V
- Actual Test Results Displayed
- Tests Extension Leads, Class I and Class II Appliances
- Performs - RCD Test Trip Time / Current Ramp
- Polarity & Continuity Test
- Insulation Test 250/500V
- Leakage Current Test
- Mains Supply Test
- Earth Bond Test
- Load Testing



Australian
Designed & Manufactured

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PORTABLE APPLIANCE TESTING (PAT)



This family of testers has been developed to suit a variety of user competences and workplace environments.

PORTABLE APPLIANCE TESTERS

The purpose of using a PAT (portable appliance tester) is to detect unobservable faults not found by the visual inspection of the equipment alone. PAT testers are able to perform advanced tests and display results that are not possible using only a standard insulation tester.

ELECTROMATE TNT RANGE OF PAT'S

The TNT testers are designed and manufactured in Australia. The testers feature simple, fast, accurate and safe testing to ensure the requirements of AS/NZS 3760:2003 are complied with.

Basic Testing

TNT-B

BASIC PORTABLE APPLIANCE TESTER

The TNT-B is a lower cost option and has been designed for speed and portability. Although the tester does not incorporate an earth leakage test capability it does identify those items that do require a leakage test to be performed. **The TNT-B is suitable for users who don't want the added risk of energizing (powering up) the appliance:** preferring to separate these items for further testing by other competent service people. Tests earthed, double insulated appliances and extension leads.



Leakage Testing

TNT-L

LEAKAGE TESTING



Some appliances have internal switching which is only operational when the equipment is powered up. The leakage test is performed with the appliance switched on and connected to mains supply and is used to identify if a fault is present beyond the switch.

TNT-EL

RS232 INTERFACE FOR CONNECTIVITY TO A PC FOR STORING RESULTS

The TNT-EL features the same specifications as the TNT-L with the addition of a serial port for connectivity to a PC for storing test results.



TNT-ELX

HIGH POWERED CAPACITY TO OPERATE AT 20 AMPS

The TNT-ELX features the same specifications as the TNT-EL with the additional benefit testing higher loads (up to 20amps) commonly found in appliances such as floor polishers etc.



Leakage + RCD Testing

TNT+

COVERS THE WHOLE STANDARD - LEAKAGE + RCD TESTING



The TNT+ incorporates all the necessary testing capability to meet the whole of the AS/NZS3760:2003 standard. The standard covers not only portable appliance testing but also testing trip times for portable & fixed RCD's. The TNT+ features an inbuilt function for testing RCD's.

TNT+X

HIGH POWERED CAPACITY TO OPERATE AT 20 AMPS



The TNT+X features the same specifications as the TNT+ with the additional benefit of testing higher loads (up to 20amps) commonly found in appliances such as floor polishers etc.





Advanced 3 Phase Testing

TNT+3PL THREE PHASE LEAKAGE & RCD TESTING



The TNT+3PL is a world first in innovative engineering to combine Appliance power measurements, Appliance testing (AS/NZS3760) and RCD testing for single & 3 phase items in one test unit.

Portable appliance tester

- 3 Phase leakage current meter
- 3 Phase RCD tester
- KW & VA meter
- 3 Phase amp meter
- Mains voltage meter
- Insulation tester
- Power factor meter
- Appliance power performance
- 3 Phase load tests
- Ohm meter
- Mains supply condition tester
- Polarity tester

All single phase functions included.

Supplied with; earth test lead, IEC adaptor lead, 3 phase `4W or 5W polarity test plug (depending on model ordered) comms lead, WinPATS lite software, calibration certificate, user manual



Specifications TNT-B, TNT-L, TNT+ Series

Safety class II (Double insulated)

CAT III 600V

Fuse protected TNT-L, TNT+ models (x models only 20amp, thermal overload/manual reset)

15A Socket for appliance testing only (not load testing)

Auto sensing function circuit continuity 0-5MΩ

APPLIANCE TEST TNT-B, TNT-L, TNT+ SERIES

Test Performed	Measuring Range	Test Voltage/Current	Pass Level
Earth Bond Test	0-10Ω	200mA DC	<1.0Ω
Insulation Test	0.0 to 10.0MΩ	250/500V DC Selectable	>1MΩ
Continuity & Polarity Test		240V AC	Pass / Fail
Mains Supply Test	A-N-E		LED's

Leakage Test TNT-L, TNT+ Series

Leakage Current	0 - 30.0mA	Depending on requirements	
Load Current	10A (Res) 80A inrush		
Voltage	240VAC Supply		

Power Test TNT+ Series

Power Factor	0.000 to 1.000		
Apparent Power	0 - 2999VA		
Power	1 - 2999 W		
Leakage Current	0.0 to 1999.9mA	According to equipment type	1mA, 2.5mA, 5mA
Load Current	0.0 to 10A (Res)		
Voltage	0 - 300VAC		

RCD Test TNT+ Series

Trip Current	2 - 500mA	5mA steps	
Trip Time	0 - 3000ms		
Battery powered when testing RCD			



Optional Accessories

- TNT ES-500** **EARTH STRAP, 500MM LONG**
(used to connect Earth Lead on plastic items)
- TNT 3PADP** **3 PHASE ADAPTOR LEAD FOR TNT OR TNT+ (MAX 20A 5 PIN-SPECIFY TYPE)**
- TNT ISOT** **ISOLATION TRANSFORMER, FUSED WITH HANDLE SOCKET & LEAD FOR RCD TESTING**
To avoid tripping the installation fixed RCD



Software, Printing & Communications

WinPATS LITE TESTING AND RECORDING SOFTWARE FOR DESKTOP/LAPTOP PC

Designed specifically for use with the TNT-EL & TNT+ series testers. Manage your assets using direct connection from the appliance tester to PC. Full record keeping and flexible reporting functions.

Minimum PC Requirements

- Windows 98, 2000, NT, XP
- 1 x serial port D9 (or 1 x USB converter TNT-USB-S for USB only machines)
- Pentium 2 600Mhz



FREE read only software available for your customer to download. To enable them to keep a copy of your testing results.

FREE read only download www.nesco.com.au



TNT-USB-S 1021-USB

USB TO SERIAL CONVERTER FOR LAPTOP WITHOUT SERIAL INPUT

BARCODE SCANNER WITH USB CONNECTOR TO SUIT LAPTOP PC WHEN USING WINPATS LITE SOFTWARE.

Used for direct data entry instead of imputing via the key board. This provides fast accurate repeatable data entry.

TNT-CASE TNT-TTP

TRANSPORT CASE DESIGNED FOR COMPLETE SYSTEM COMPONENTS

TAG PRINTER FOR ON-SITE PRINTING OF TEST TAG OR BARCODE LABELS

Includes once off setup of tag layout and 1 Roll of labels.

TTP-Label

LABELS, ROLL OF 1000 FOR TTP PRINTER

TTP-Ribbon

TRANSFER RIBBON FOR TTP PRINTER

Test Tags

TA/TN-Series

The leading test tag for industrial and construction areas. This is an industrial quality tag complete with marking pen and security clips.

TM-Series

Heavy Duty tag using the highest quality adhesive. Suitable for use in all environments. Also available as a barcode tag.

TT/TTN-Series

Supplied in packs of 100 with marking pen. Suitable for indoor and office use.

Custom Tags

Include company logo, phone and fax numbers, e-mail and web addresses. Box layout can be changed up to three colour printing available. Sequential inspection numbers can be requested. Talk with our sales staff for other options.

FAST

Faulty appliance safety tag used to indicate the nature of the fault. Pack of 50.

