



Appliance Testers Product brochure



*Excellence in Calibration
40 years - Est. 1982*

Metrel MI3309BT DeltaPAT

Standalone / Base tester (you would hand write test tags)



One of the most popular testers in the industry that's capable of conducting tests to Australian standard AS/NZS3760 with simple and easy-to-use functionality. It's a battery and mains powered portable appliance tester with Integrated unique PRCD testing technology prevents tripping out of mains RCD during measurement. Due to dual power capability of MI3309BT it enables performing of differential leakage current test in spite of its lightweight portable design. Large graphical LCD with backlight, two PASS / FAIL LED indicators and HELP screens for each measurement make the handling of the instrument clear and simple. The DeltaPAT is an excellent all rounder and highly expandable, it's used as a base instrument for many of the testing kit's we offer.

OVERVIEW

We offer the Metrel DeltaPAT 3309BT as a standalone testing solution which allows a user to perform test and tagging with a low upfront initial cost. You can perform the tests and record results onboard the tester and then handwrite test tags manually. We offer various kits and accessories to upgrade into which vastly improves convenience and speed of testing. See the packs we offer on the following pages which use this ever popular DeltaPAT as it's base test instrument.

PRIMARY MEASURING FUNCTIONS

- Visual inspections
- Functional and visual inspection
- Earth bond resistance (200mA)
- Insulation resistance (250V & 500V)
- Insulation resistance via probe (250V & 500V)
- Substitute leakage current
- Substitute leakage current via probe
- Differential leakage current test
- Touch leakage test
- RCD and PRCD testing, type (K, S)
- Power test
- IEC cord polarity test
- Leakage and load currents with current clamp
- TRMS voltage meter

STANDARD INCLUSIONS SHOWN



KEY FEATURES

- Auto sequences: up to 50 programmable auto sequences which speed up testing and ensure that no tests are missed. EG: a Leads test combines single tests: Visual, earth bond, insulation, and polarity.
- Dual powered: The instrument can operate from mains power or batteries.
- PASS / FAIL: large green and red lights for additional PASS / FAIL indication placed at the sides of the LCD.
- Unique RCD testing technology: No need for an isolation transformer when testing portable RCD's.
- RCD testing: Able to test RCDs and portable RCDs.
- Memory: Store up to 1500 test results and parameters for further downloading to PC.
- Built-in charger & rechargeable batteries: instrument has a built-in charging circuit and comes complete with a set of rechargeable NiMH batteries.
- Bluetooth: enables communication with printers via optional aPAT and PATLink android apps.
- Expandable into various kits, allowing you to speed up your testing process and print professional customised test tags
- PC software is included which enables downloading, viewing, printing of test results.
- It's a single phase appliance tester but with various optional adaptor sets we offer 3 phase leads and appliances can be tested, see our accessories page.
- 2 year warranty
- We are the Australian importer and Metrel's Australian authorised repair and calibration centre, rest assured knowing we offer excellent local support and in the unlikely event you have any issues we can resolve it here inhouse meaning minimal down time for our customers.



Delta complete print pack

A complete kit at an economical price point



The recently updated Metrel DeltaPAT Complete Kit now comes with the updated Godex Label Printer which has internal Bluetooth (older models required external dongles). You'll be able to connect your DeltaPAT 3309 tester, android device and Godex printer seamlessly via Bluetooth.

We can customise set contents to suit your budget, for example as standard we package this set including a battery pack to allow a fully mobile printing setup, but if you want to save even more the printer could just be powered by the included mains adaptor instead. Or you could opt to remove the hard carry case or use soft carry bag instead. Contact us to discuss a tailored package for your needs and budget.

OVERVIEW

The Delta complete print pack is a complete portable appliance testing package. Bluetooth connectivity is used to connect each device. The Android device is used to remotely control the appliance tester to run tests, save results and instantaneously print test tags via the Godex printer. Test tags are printed complete with test and retest date, custom company logo and QR code which can be scanned with the android device to automatically re-enter the test information for rapid retesting next time around.

PRIMARY MEASURING FUNCTIONS

- Visual inspections
- Functional and visual inspection
- Earth bond resistance (200mA)
- Insulation resistance (250V & 500V)
- Insulation resistance via probe (250V & 500V)
- Substitute leakage current
- Substitute leakage current via probe
- Differential leakage current test
- Touch leakage test
- RCD and PRCD testing, type (K, S)
- Power test
- IEC cord polarity test
- Leakage and load currents with current clamp
- TRMS voltage meter

STANDARD INCLUSIONS SHOWN



KEY FEATURES

- All the same key features of the tester itself can be found on the MI3309BT DeltaPAT page.
- Custom heavy-duty carry case, cut to fit perfectly
- All devices can work on either batteries or mains power
- Metrel Delta 3309BT performs tests to AS/NZS 3760
- Godex RT200 allows printing of test tags, complete with test and retest date, company logo and QR code for rapid retesting, this is a thermal transfer printer which requires resin ribbons but does mean tags are more durable.
- PATLink android app (license included) allows for simple control of the whole system
- 2 year warranty on tester and printer (otherwise 1 year)
- We are the Australian importer and Metrel's Australian authorised repair and calibration centre, rest assured knowing we offer excellent local support and in the unlikely event you have any issues we can resolve it here inhouse meaning minimal down time for our customers.

PATLINK ANDROID APP FEATURES

- Use an android device's on-board camera for QR code and barcode scanning for quick data entry
- Remote control of tester and printer via the app
- Easy data entry with full QWERTY keyboard
- QR codes contain all information for the appliance, so scanning the code makes it simple to perform retests
- Overview of testing parameters by scanning QR code
- Easy control of the tester and printer from a single point.
- Simple licensing means it's possible to use multiple android devices per kit and no recurring license fee.
- Simple to download and will automatically update through the Google Play™ store



Note that an android phone or tablet is required and not included as standard. We can offer a preconfigured ready to use tablet at additional cost if required. If you already have an android device you can choose to use it or order one with your kit

Delta aPAT soft bag/GO print pack

A complete kit in a light weight and portable form factor



Tablet shown not included

The DeltaPAT Go Print kit offers an advanced portable appliance testing solution and a large number of highly unique features that will transform the way you test and tag. This kit offers an alternative solution to our original Metrel DeltaPAT aPAT kit that instead of being supplied in a custom heavy duty transit case is supplied in a soft lightweight Metrel carry bag.

aPAT enables fast and simple data management of tester appliances, as well as a quick overview of already performed tests by simply scanning a QR code. The application enables the user to send results to the main office before leaving test sites, enter and save data by using a smart phone or tablet keyboard. All these features enable the user faster and easier data handling.

OVERVIEW

The Delta Go Print kit an alternative solution to the original Metrel DeltaPAT aPAT kit that instead of being supplied in a custom heavy duty transit case is supplied in a soft lightweight Metrel carry bag making it easy to transport with you. This kit includes the highly comprehensive DeltaPAT 3309 BT tester, a Zebra Thermal Bluetooth Barcode printer for printing high quality test tags with custom logos and advanced aPAT android app interface for effortless data entry.

PRIMARY MEASURING FUNCTIONS

- Visual inspections
- Functional and visual inspection
- Earth bond resistance (200mA)
- Insulation resistance (250V & 500V)
- Insulation resistance via probe (250V & 500V)
- Substitute leakage current
- Substitute leakage current via probe
- Differential leakage current test
- Touch leakage test
- RCD and PRCD testing, type (K, S)
- Power test
- IEC cord polarity test
- Leakage and load currents with current clamp
- TRMS voltage meter

STANDARD INCLUSIONS SHOWN



KEY FEATURES

- All the same key features of the tester itself can be found on the MI3309BT DeltaPAT page.
- Easy to transport, soft lightweight Metrel carry bag
- All devices can work on either batteries or mains power
- Metrel Delta 3309BT performs tests to AS/NZS 3760
- Zebra ZQ521 has internal Bluetooth and battery which allows printing of test tags, complete with test and retest date, custom logo and QR code for rapid retesting. This is a direct thermal printer with no need for ink/ribbons
- aPAT android app (license included) allows for simple control of the whole system
- 2 year warranty on tester only (otherwise 1 year)
- We are the Australian importer and Metrel's Australian authorised repair and calibration centre, rest assured knowing we offer excellent local support and in the unlikely event you have any issues we can resolve it here inhouse meaning minimal down time for our customers.

aPAT ANDROID APP FEATURES

- Complete database of tested appliances in one location
- Upcoming retest warning within the app
- Simple, custom auto-test creation and editing.
- A full qwerty keyboard within the app and also enables the use of the camera for barcode/QR code scanner for quick data entry or retesting.
- Remote control of portable appliance tester
- Projects can be backed up to your drop box account, or emailed to the main office before leaving test site.
- Simple to perform test by scanning the QR code containing all information for the specific appliance.
- Custom logos easily changed and are user configurable



Note that an android phone or tablet is required and not included as standard. We can offer a preconfigured ready to use tablet at additional cost if required. If you already have an android device you can choose to use it or order one with your kit

Delta aPAT Pro Print Pack

Our most advanced DeltaPAT testing kit



Tablet & red IEC lead shown not included

The Delta aPAT Pro Print Pack is an advanced complete Portable Appliance Testing solution. The pack comes with a Metrel Delta 3309BT, a Zebra ZQ521 printer for printing quality test tags with custom logos, the advanced aPAT android interface for data entry and all contained in a purpose built heavy duty safe case with custom cut insert. aPAT enables fast and simple data management of tested appliances, as well as a quick overview of already performed tests by simply scanning a QR code. The application enables the user to send results to the main office before leaving test sites, enter and save data by using a smart phone or tablet keyboard. All these features enable the user faster and easier data handling.

OVERVIEW

The Delta aPAT Pro Print pack is a complete portable appliance testing package. The kit can operate on mains or battery power making it highly portable. This kit includes the highly comprehensive DeltaPAT 3309 BT tester, a Zebra ZQ521 Bluetooth barcode printer and advanced aPAT android app interface for effortless data entry. Test tags are printed complete with test and retest date, custom logo and QR code which can be scanned with the android device camera for rapid retesting.

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- TRMS voltage meter

STANDARD INCLUSIONS SHOWN



KEY FEATURES

- All the same key features of the tester itself can be found on the MI3309BT DeltaPAT page.
- Smaller and lighter custom heavy-duty carry case (than the 'complete kit') with custom insert cut to fit perfectly.
- All devices can work on either batteries or mains power
- Metrel Delta 3309BT performs tests to AS/NZS 3760
- Zebra ZQ521 has internal Bluetooth and battery which allows printing of test tags, complete with test and retest date, custom logo and QR code for rapid retesting. This is a direct thermal printer with no need for ink/ribbons
- aPAT android app (license included) allows for simple control of the whole system
- 2 year warranty on tester and printer (otherwise 1 year)
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- Simple to perform test by scanning the QR code containing all information for the specific appliance.
- Custom logos easily changed and are user configurable



Note that an android phone or tablet is required and not included as standard. We can offer a preconfigured ready to use tablet at additional cost if required. If you already have an android device you can choose to use it or order one with your kit

Metrel OmegaPAT MI 3360

Advanced tester offered standalone with printing options



MI3360 OmegaPAT is available in 4 new variants, intended for professional use in the most demanding applications. Model versions cover the following fields of testing: portable appliances, welding equipment, medical devices, PRCD testing. All instruments have an advanced built-in user interface that enables the execution of pre-defined and user-created AUTOSEQUENCE@s. Large memory capacity (8 GB microSD card) enables the user long term saving and archiving of data. All the instruments are specially designed for long-term testing, since their memory structure enables simple searching through the archive of devices and quick re-execution of (periodic) tests. Instrument is expandable with the option of adding test tag printers and barcode scanners for rapid retesting. PC software is included for downloading results for analysis and generating test reports.

OVERVIEW

The MI3360 OmegaPAT is a new generation advanced appliance tester which allows some additional test functionality, it offers active polarity testing and up to 25A earth bond current depending on the model variant you select. However something important thing to note is this appliance tester needs mains power to perform tests, you can still move it around between power points and it will go into a 'standby/low power' mode so it does not need to boot up between moving testing areas.

PRIMARY MEASURING FUNCTIONS

- Visual inspections
- Fuse test;
- Continuity/earth resistance 200 mA, 10 A (25A, M, F, models only)
- Insulation Resistance (Riso, Riso-S)
- Sub-Leakage Current, Substitute Leakage Current - S
- Differential Leakage current
- PE leakage current
- Touch leakage current
- Power (P, S, Q, PF, THDu, THDi, CosØ, I, U,)
- PRCD test
- RCD test, (type A, AC, B, B+, F)
- Polarity / Active polarity test;
- Clamp current (with optional A 1579).

STANDARD INCLUSIONS SHOWN



KEY FEATURES

- Conducts tests to Australian standard AS/NZS3760
- Touch screen: High resolution 4.3" colour touch screen
- Double manipulation: keyboard and touch screen enable the user to control the instrument in any manner they like.
- Pre-defined AUTOSEQUENCE@s: enable the user simple and quick execution of test sequences
- Read the code and test: QR and barcode system of labelling in combination with AUTOSEQUENCE@s enables the user quick and simple testing of electrical devices.
- Testing groups: the instruments have built-in filters in accordance with their area of application, which enables the user simple choice of needed test sequences.
- Support for PRCD testing: support for all types of PRCDs, including 2-pole, 3-pole, K/Di (varistor), S (3 pole) and testing with the PE probe.
- Support for RCD testing: all instruments support testing of A, AC, B, B+ and F RCDs.
- Fuse testing: the instrument has a special, integrated testing module for quick testing of all types of fuses.
- Hard-wired devices: the instruments have integrated additional test terminals that enable the user simple testing of hard-wired devices.
- High-voltage testing (only MI3360 F): HV insulation resistance measurement that has to be performed after repairs or maintenance of electrical devices.
- Testing of medical devices (only MI 3360 M): the instrument enables testing of medical devices in accordance with IEC/EN 62353.
- Testing of welding equipment (only in combination with A 1422): all models of OmegaGT XA support testing of welding equipment in accordance with IEC/EN 60974-4.
- Large memory: includes 8 GB microSD already integrated in the instrument, expandable to 32 GB.
- PC SW Metrel ES Manager: enables creation of test structures, user-defined AUTOSEQUENCE@s, professional test reports and data transfer for archiving.
- aMESM Android SW: enables QR code scanning, and uploading of pre-prepared user-defined AUTOSEQUENCE@s.

Test and tag accessories



Item #: 3PMA

3 Phase multi adaptor

This 3-phase adaptor is a suitable solution for testing both 4 and 5 pin & 10 - 40A 3 phase equipment. (20amp & 32amp sockets) This allows a PAT to conduct an Earth bond and Insulation Resistance test on a 3-phase device



Item #: 3PSA

3 Phase IEC adaptor

Available in a few variants and used with the 3PMA, these adaptors remove the need to hold the S/EB probe onto the earth pin of the extension cord. It also allows you to perform a limited polarity test for 3-phase 5pin extension leads



Item #: A-1472

Leakage current clamp

Used for the DeltaPAT 3309BT used in conjunction with the 3PTL adaptors, these adaptors have an exposed earth core which you put the clamp around to measure leakage on 3 phase appliances



Item #: 3PTL

3 Phase adaptor for clamp measurement

Adaptor for measuring leakage testing, used with A-1472 clamp around it's exposed earth core wire.

- Available in various variants for 4 or 5 pin, 20/32A, 3-phase sockets



Item #: RCD-3P

3 Phase RCD adaptor

3 Phase RCD adaptor with separate L1, L2, L3 test sockets. Makes a single phase PAT with an RCD test function able to test 3 phase RCDs.

These only suit 5-pin three phase sockets available in 20A or 32A socket variants



Item #: P-1101

Metrel ES Manager (MESM) software upgrade

A basic version of MESM is free to use to download measurement results which can be viewed, analysed, and a report can be created and printed or emailed to clients.

This license unlocks some additional advanced reporting features



Item #: IECADAPT

IEC to figure 8 adaptor and/or IEC to tri clover adaptor

The easy to connect figure 8 shaped adaptor to IEC socket, and tri clover shaped adaptor to IEC socket allows you to connect leads with different connections to your standard appliance tester IEC socket.

Handy for appliances such as laptop chargers and more!



Item #: Socket S740

Bluetooth 2D barcode scanner

We can offer hand held, battery powered, portable 2D barcode scanner enabling you to scan barcodes and QR codes. This can be used with the OmegaPAT MI3360 and also the MI3309 via the aPAT app if you prefer not to use the tablets on board camera.



Item #: INSCLOAK

Insulation cloak

Constructed from stainless steel mesh, they are designed for use in testing Class II appliances and replace perishable items such as aluminium foil



Item #: TAGCUT

Tag remover

This little gadget will ensure that removing your test tags is a simple and safe process. It has two covered blades that can slide between a cable and the test tag easily to cut it off.



Item #: TDD

Printable test tags (Zebra QZ520/521/P4T & Toshiba B-EP4D)

Available in various colours, there are 250 blank tags on a roll ready to be printed on.

These are direct thermal labels

We do also have some thermal transfer type and ribbons available for use with the P4T.



Item #: VTT

Printable test tags (TLP2824 + Godex)

Available in various colours, the standard type have 500 blank tags on a roll ready to be printed on.

There are also heavy duty variants of each colour which is thicker and more durable, the HD versions have 250 per roll

These are thermal transfer labels and ribbons also available



Item #: SST3

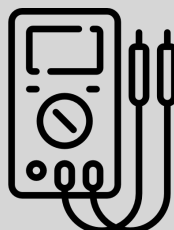
Android Tablet

Appliance Tester Android Interface Unit.

Typically used with Metrel aPAT or PATLink android apps.

The kits we sell do not typically include a tablet as standard, as you may already have a tablet or other android device you want to use.

We can however supply a preconfigured ready to use android tablet for those that require it.



Item #: CAL

Calibration service

A tester that is not regularly calibrated may pass items that are actually unsafe.

We operate a NATA accredited calibration laboratory and are also an authorised Metrel service and calibration centre.

Simply post or drop your tester in to us and we will take care of it. Our standard turn around is 1 week or less, and an optional expedited service is available



Excellence in Calibration
40 years - Est. 1982

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Note: Subject to technical change without notice.