APPLIANCE
Testing Supplies

METREL DELTAPAT COMPLETE KIT

YOUR PRODUCT SUPPORT GUIDE

METREL®

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01. WHAT IS INSIDE THE DELTAPAT COMPLETE KIT

ZEBRA 2824+ PRINTER   METREL DELTAPAT MI3309 BT

ZEBRA BATTERY PACK   LEADS & PROBES   2 X IEC LEADS
                              KIT

Also Included with the kit:

AC Power Supply for the Zebra Printer
Thermal Ribbon installed in Printer
Roll of 500 Tags
Heavy Duty Case
Zebra Bluetooth Adapter
Bluetooth Initialisation Cable

02. HOW TO DOWNLOAD AND SET UP SOFTWARE

Firstly you will need to download the Patlink software from the Google Play Store. This can be accessed on your Android Device through the Google Play Store. The software is free to download, but requires an activation code to register the full version. This activation code is supplied when you purchase the Metrel Deltapat Complete Kit, additional licences can be purchase individually.

You will need to search for and install Patlink on your device from the Google Play store, it will display an icon that looks like this. You can download the app from here:
https://play.google.com/store/apps/details?id=si.metrel.patlink

Once the app has downloaded to your device, open it and you will get the main home screen

This the main screen to connect to with devices, from this screen you will need to:

Activate the software
Select your Printer

This screen also allows you to connect to your Metrel Delta appliance tester, scan previously printed tags, and change settings.

The current connection status of the Tester is located in the top left corner. This will default to Disconnected unless you have manually connected.

It is worth checking the Google Play Store for updates to the app as they are released periodically to fix bugs and improve the application

03. ACTIVATING THE SOFTWARE

You will need to activate the software with the supplied code, this is usually located inside the quick start guide or under the foam in the lid of the case. This activation provides the full functionality of the software.

From the main home screen, go to Settings

Then Device Activation
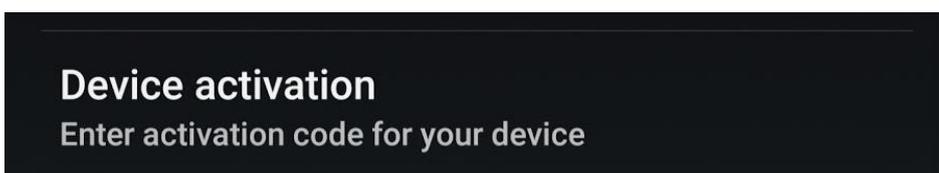
Select the Key with a Plus in the bottom left corner to add a new tester
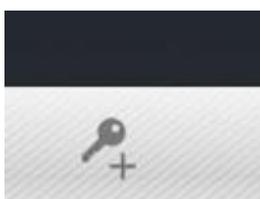
Make sure the DeltaGT is turned on, it should appear in blue, the last series of numbers will be the same as the serial number located on the back of your tester.

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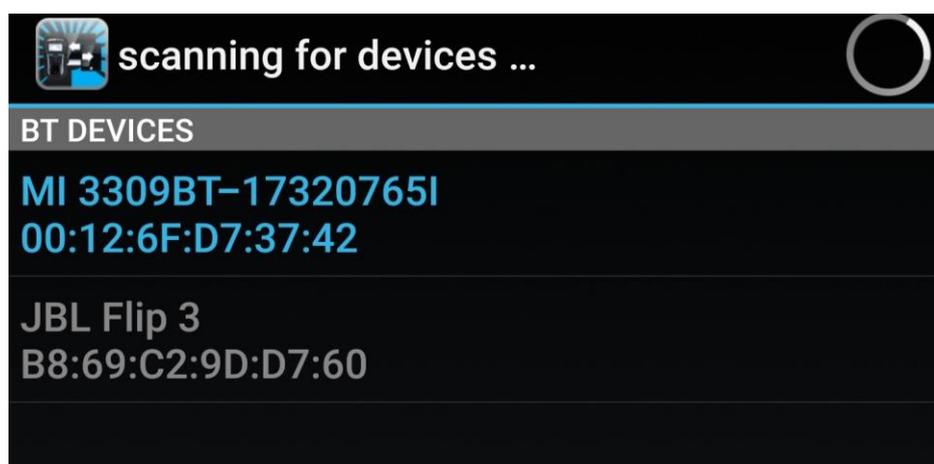
Choose the MI 3309BT and it will prompt you to enter the activation code supplied. Enter it and then press OK

The Device should appear as an Activated Device and the process is complete.
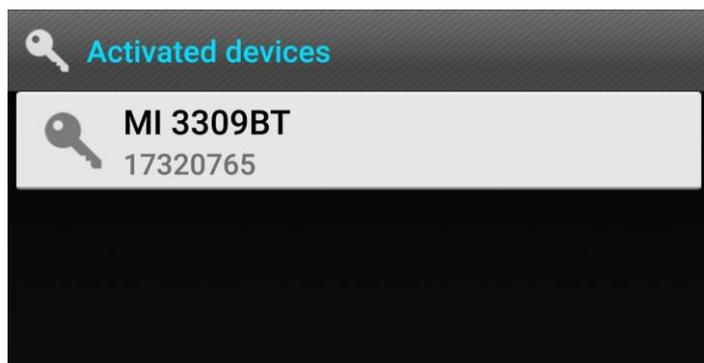
04. SET-UP THE PRINTER

The printer only needs to be setup once within the software, you don't need to connect to the printer each time, the connection is between the Android device and the Metrel Tester, THe printer only comes into play when you press the print button after a test has been performed and saved.

To setup the printer, go to Settings

Then Select BT Printer
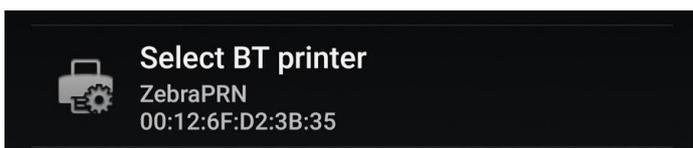
A list of available Bluetooth devices will appear, ZebraPRN should appear in green.
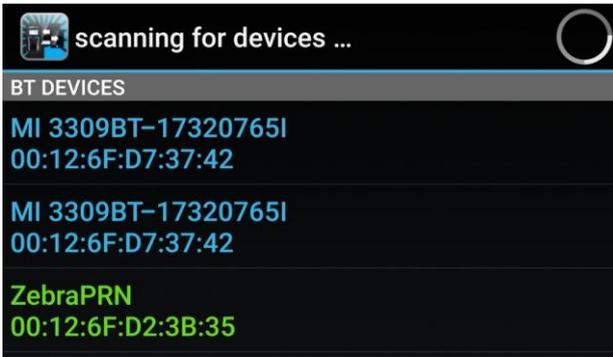
Select it and then you should see the ZebraPRN as your default printer. This will now be the default printer when you press the print button after a completed test.

05. CONFIGURING THE PRINTER ON THE METREL TESTER

The Metrel Tester also needs to be setup to the correct printer, this should be set when purchased but if the unit is wiped or deleted, you may need to set this up again.

On the Delta, use the UP / DOWN keys until the menu shows SETUP.
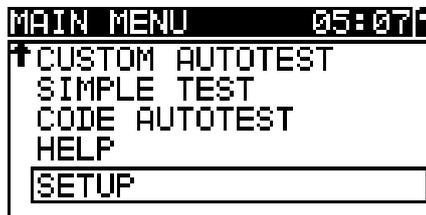
Press Test and then scroll down to Communication and press the Test button again

Scroll through the Printer options until Zebra BT is selected
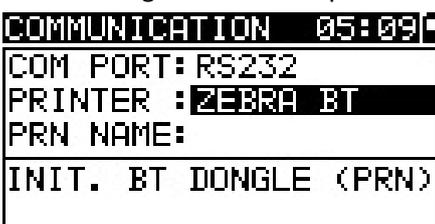
Scroll down to PRN Name and press Test, the unott should scan and find ZebraPRN

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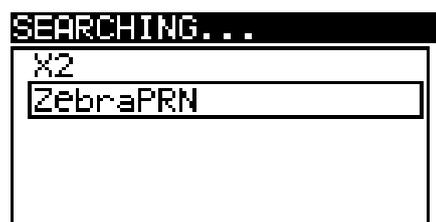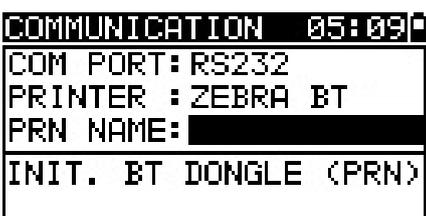
Select ZebraPRN and then it should return you to the communiations screen with PRN NAME: ZebraPRN chosen

```
COMMUNICATION   05:09
COM PORT:RS232
PRINTER :ZEBRA BT
PRN NAME:ZebraPRN

INIT. BT DONGLE (PRN)
```

You can now escape back to the main screen

06. ENTERING DATA AND PERFORMING A TEST

To start performing tests, from the main home screen you go to scan for devices and select your Metrel Tester, it will then take you to the main data screen.

From here you enter the 4 Key pieces of information.

Appliance ID - The unique Identification number for the appliance

Appliance name - The description of the appliance being tested

Retest Period (in months) - When the appliance is next due for retesting.

Location - Where the appliance is stored, this is how it will be grouped and reported when downloaded to the computer.

We do not use the SHORTCODE function in Australia

The 6 buttons on the bottom left are the same 6 buttons located on the front of your Metrel Appliance Tester and allow you to navigate and control the machine.

The First step is to enter the four pieces of information on the appliance you are about to test.

Once that is entered, you press the Up, Down and OK/Test Buttons to navigate to the Simple Test menu on the Delta, and then select the correct test for the appliance you are checking. Press Test to start the test process.

Once the test is completed and you are on the Overall Results screen of your Delta tester, you can press Save and the Delta will beep, then press Print and a tag should come out.

You can then change whatever details you need to for the next test, then repeat the process.

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07. HOW TO CHARGE THE BATTERY PACK

Plug the transformer into the battery and the wall adaptor into the wall power outlet; ensure that the battery is turned on while charging. There should be an LED illuminated on both the transformer and wall adaptor.

The transformer will glow orange during charging and then green when fully charged. This can take upto 6 hours to fully charge from flat.

08. HOW TO OPERATE THE PRINTER FROM MAINS POWER

FRONT AND REAR VIEW OF PRINTER ON MAINS POWER

To run the printer off mains power, you will need to lift the printer out of the foam casing, disconnect the lead from the printer to battery and replace it with the mains power lead as seen above.

Then connect the 240v power plug to mains power and the printer should turn on with a green light.

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09. HOW TO ENTER THE USER TO APPEAR ON THE TAG

To have the Tester details appear on the tag, you need to specify a user on the Delta Pat.

From the Main menu select Setup and then scroll to User Data. You will be provided with Users 1 - 5, press the Tab (the left and right arrow buttons) and you can enter the user details you wish to appear on the tag.

There is a maximum of 12 usable characters, you press the up and down buttons to scroll through the letters and numbers and the press Test to select the character you wish.

Once the correct details are entered, press the Mem button to save the details, then press Test to select that user.

That user will then appear on all future tags, to change the user just go into Setup then User Data and either create another user, or select a previous one and press Test.

10. HOW TO DOWNLOAD DATA FROM THE TESTER TO THE PC

This is a quick guide on retrieving results with the PATLink Pro software from a MI 3309 Delta tester, and creating a report.

Open Metrel PATLink Pro on your computer.

Press on the Instrument menu, then press "Get Results"
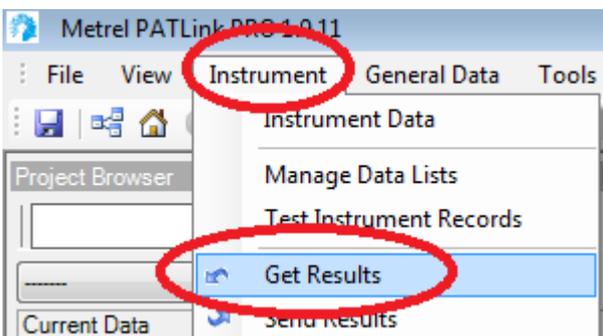
You will be prompted to enter the serial information to connect to the device. You will need to determine what COM port your computer has assigned to the cable, otherwise you can tick Auto-detect (COM port, Baud rate) and it will scan through each of the COM ports and baud rates.

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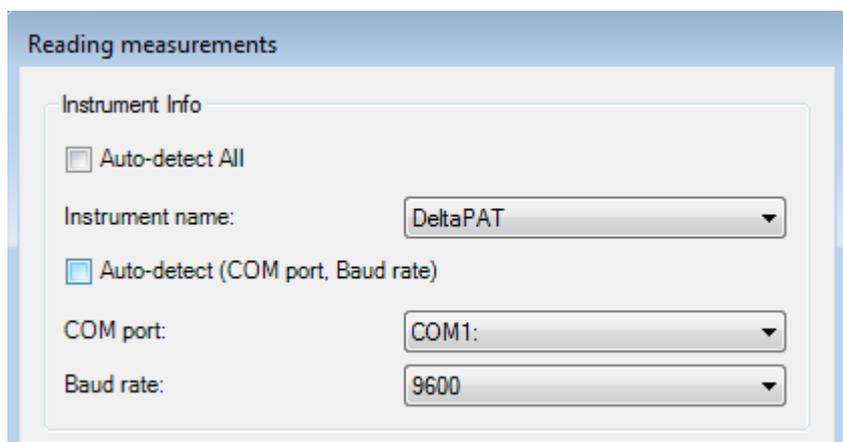
The normal default setting is for Com3 and the Baud Rate of 115200, the com port may vary depending on computer.

It will run through each step of the process automatically, in this case we had
only 1 test saved in the tester. It has successfully read the measurements and downloaded the results to the computer.
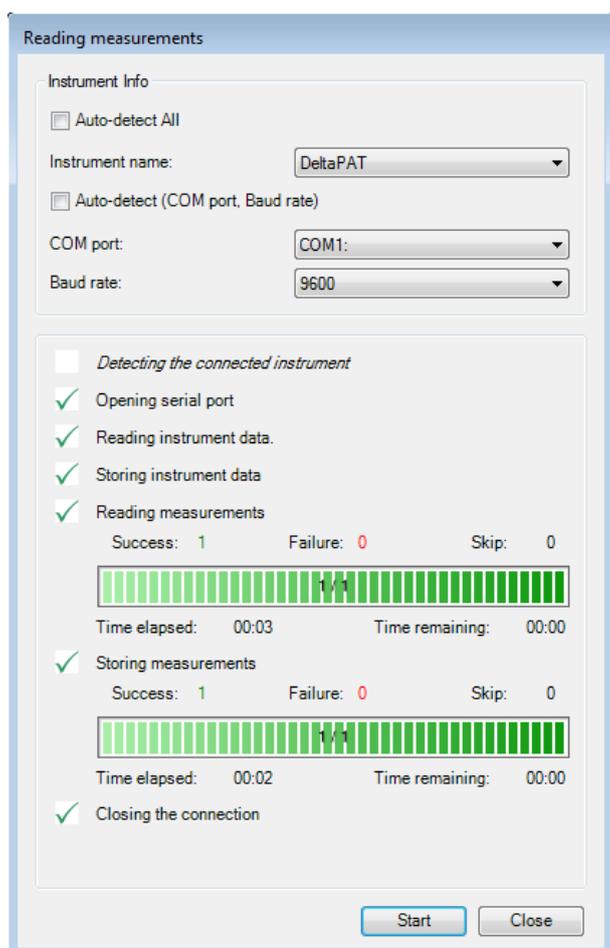
You may be asked if you would like to save duplicates if you didn't previously

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clear them from your tester, here you can make the choice. Once completed you can click close and your data will appear on the left hand side.

Under the project browser on the left hand you will find the new download.
You can drill down the menus to find each of your tests.
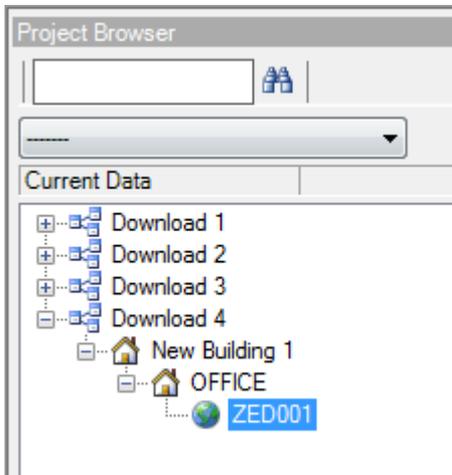
On the right hand side you will find more details of each of the tests.

To generate a report, select/highlight the download you want the report to show.
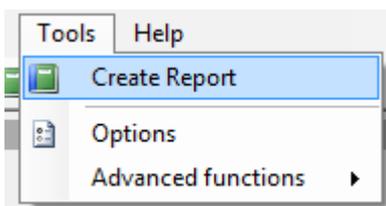
Enter the Tools menu, and press "Create Report"
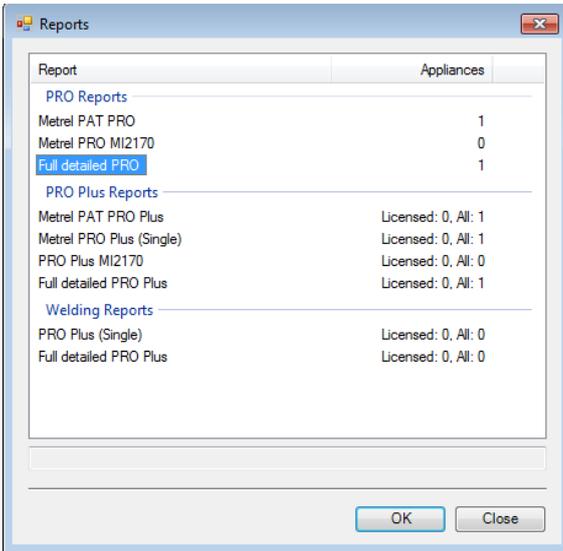
Here you can select what report you want to generate. You can also enter any relevant data to the report.
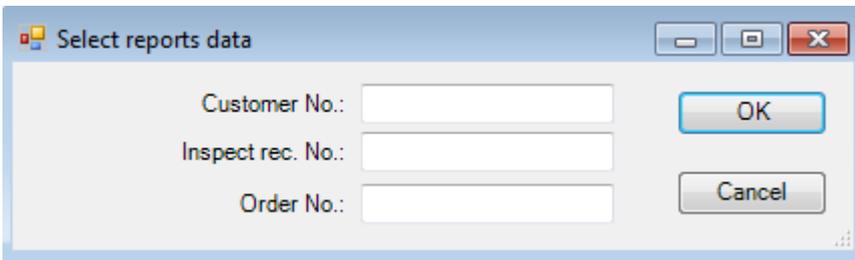
The report will then generate, along the top you can then save as a PDF file to export and email if required.

ELECTRICAL EQUIPMENT TEST REPORT
Full detailed PRO

Customer No.:		Inspect. rec. No.:		Order No.:		

Room OFFICE				Building New Building 1			
Appliance/Project ZED001 **Appliance name/Device** IEC LEAD		Test Date 18. Oct 2013 Retest Date 18. Oct 2014 Comment Test Site OFFICE				**Status** Pass	

Measurement	Parameter 1	Parameter 2	Parameter 3	Parameter 4	Parameter 5	Parameter 6	Parameter 7	Limit	Result 1	Status
Visual Test										Pass
Earth Continuity	200mA	3s						1.00 Ω	0.02 Ω	Pass
Insulation	500V	2s						1 MΩ	>200 MΩ	Pass
	500V	2s						1 MΩ	525 V	Pass
Polarity Test									1	Pass

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COMMON TROUBLE SHOOTING TIPS

Android Device Wont see the Deltapat

If you are trying to scan for or detect the DeltaPat tester and it wont appear, power off the tester, printer and android device and disconnect them from power.

Let them sit for 30 seconds then power on just the Delta and Android device back on and scan again. If they appear and you can connect, you can then power on the

The unit does not proceed through each tech automatically?

From the Main Menu go to Setup > Test Speed Setup and make sure it is set to Fast. Fast will automatically step through each test until completed. Standard will prompt you to proceed through each test but at this point you can change parametres like run times. The unit will always stop before a Leakage or Run test is performed as a safety precaution

The Unit fails Earth Bond Test?

Make sure the return lead is connected to the Black Socket of the Metrel Delta tester, and ensure that the crocodile Clip or Probe is touching clean metal on the body of the appliance you are testing.

LN Resistance to High or Low Appears on Screen?

This normally appears when either there is no device connected, or when an appliance does not have an on or off switch and the machine is looking to power a motor or part. You can just press Test to proceed and the machine should complete the testing.

The Android Software is asking for a Pairing Passcode?

If you are requested to enter a pairing code when connecting the Android tablet to a Metrel Delta, the Password is NNNN (four capital N's) and the pairing code for the Zebra Printer is either NNNN (four capital N's) or 0000 (four zeros)

Patlink on the PC is asking for a Password during Install?

If you are requested to enter a password during installation of the Patlink PC program, the password is **MeT123ReL** which is case sensitive. You will need to enter this twice.

If the password is entered correctly and the message still appears, then the SQL Database may not be running. On Windows press the Start button then type in Services. Open the Services program and scroll down to SQL Server (METREL) and make sure the service is Started, if it's not right click on the SQL server and select Start. Once started, run the Patlink install again and enter the password.

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Why is the Unit displaying Wrong Voltage on Screen?

If you are trying to perform a leakage test or PRCD test and 'Wrong Voltage' appears, it can often be one of three reasons:

1. The DeltaGT BT isn't connected to mains power

2. The fuses have blown in the unit, these are user changeable and are located in the top back section for the unit

3. The 240v Power supply from the wall is fluctuating or inconsistent and the machine is unable to get a consistent power supply to perform the test.

Why won't the DeltaPat connect to the Android Device or Printer?

The first thing to do is to power off all 3 parts (The Delta tester, Printer and Android Device) and then power on the Delta and Android Device and see if they will connect. If they connect you can then power on the Printer.

If you still don't get any communication with the tester, please give us a call on 1300 656 938 and we can walk you through more advanced steps to reconnect.

Why is the Zebra Printer printing blank or faded tags?

This can happen if the printer battery pack is flat - try switching to mains AC power and do a test print. It's also important to ensure that the ribbon is in place and doesn't need to be replaced

My tester has Frozen and wont power off?

You can easily remove the batteries from the back of the unit, just unscrew the back cover panel under the kickstand and remove a couple of batteries, this will shut the unit off then you can put the batteries back in and start the unit

The system will Print a tag, but my logo will not appear?

Make sure under on the Delta tester under Setup > Communications that the Printer is set to ZebraBT (or Zebra if you are using the serial cable to the printer) and not Printek as this will not print the logo on the tag.

MORE INFORMATION & USEFUL RESOURCES

Any purchase from Appliance Testing Supplies come with access to free Lifetime Technical Support.

In addition to this guide, you will also have access to our online Support Pages. These pages include video guides, cheat sheets, user manuals, and software downloads. Just simply follow the link below:

www.portableappliancetesters.com.au/support

You can also call, email or visit our showroom and our Technical Support Staff will be on hand to help with any issue you may have.

If there is anything else we can assist you with, please feel free to give us a call or email anytime.

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