

# Downloading Metrel Delta results into Metrel ES Manager PC software

NOTE: This software is supported and suitable for MI3309BT models only (older HW1 non Bluetooth models are not compatible) Also, tester firmware must be new, it's compatible with version ending .210 or higher.

#### How to get data from the tester and into the PC software

- 1. Install Metrel ES Manager, the unit will come with a disk that you can install it with, or it can be downloaded from the Metrel website (free registration required to download) <u>https://www.metrel.si/en/shop/PAT/pat-testers/mi-3309-bt.html</u>
- 2. Plug in your appliance tester to PC via the USB and turn it on. Ensure that under Setup > Communications that the Com Port is set to USB
- 3. Open Metrel ES Manager on your computer.



4. On the first run you may get an instrument pairing wizard, follow the prompts and if required, for workscope you can select **'PAT (new instruments)'** under the 'Safety of Electrical equipment I' heading.

	g instrument
Sel	tting default workscope manually Select your prefered workscope in the list below and click next.
4	Safety of LV Installations
	EU installations
	French installations
	AUS/NZ installations
	Hungarian installations
	Austrian installations
	Finnish installations
	Russian installations
4	Safety of Electrical Equipment I
	PAT (new instruments)
	Machine, Switchgear and PAT testing EU
	Machine, Switchgear and PAT testing UK
	Machine, Switchgear and PAT testing French
	Machine, Switchgear and PAT testing AUS, NZ



5. At the top banner, press 'Get Data'



6. Select the relevant COM port, usually it will appear as "USB Serial Port" Then press Start

Download data	
Basic Advanced	
COM port	
COM10: USB Serial Port	
COM1: Communications Port	
COM3: SUNIX COM Port	
COM4: SUNIX COM Port	
COM10: USB Serial Port	
×	Close
Curr	Close

(if your tester does not appear, see troubleshooting at the end)

7. It will download the data on the tester

Download data
Basic Advanced
Reading measurements
Progress Downloading project
Stop Close

8. Once completed the results will appear, it is suggested to save the results to your computer using File > Save



#### Importing Data from aPat to ES Manager

- 1. In the aPat app you select Open Project then Select either the Floppy Disc icon or the Three dots at the top left corner.
- 2. Select Export/ Import then Export Project MESM
- 3. Select the database you wish to export.
- 4. It will export to the pre-selected folder on the tablet. It will indicate on the Project Exported message which folder it has been saved to
- 5. Open ES Manager

6. Select File then Import then Import from aPat

12			
	•		1
	New	Import EUL Import EUL structure only	
	Open	Import from PAT Link PRO	Template Edit
~		Import from aPAT	
<b>\$</b>	Merge	Import from Excel	
2	Import 🕨		
52	Export 🔸		
•	Settings		
3	Help		
<b>P</b> ⁄2	About		
$\odot$	Exit		
-			
	MemStr_ C:\Users\F	EIS_Database_SLO.padfx Public\Documents\Metre\MESM\DemoFiles	
	MemStr_ C:\Users\#	EIS_MI_3399_SLO.padfx Public\Documents\MetreMMESM\DemoFiles	

- 7. Locate the .apx file that will be saved onto your Android device, this will appear as a drive on your computer. Accept any messages on the tablet about allowing PC access.
- 8. The data will appear as a Node on the left hand side.



# How to create a report

1. Highlight the data that you want to create a report for on the left side in the 'Tree view'.

I want to create a report for everything so I will just highlight the whole node.

Tree View	Ļ
<b>š</b>	Enter text to search P
Name	
∼ <b>≥</b> Node	· · · · ·
> <u> Reception</u>	

2. Now along the top banner under tools, select basic report

	т	ools		Setting	
,			Frint Results	<b>*</b>	
ditor	Auto Sequence® Editor	Upcomming retests	Basic report	Work scope	
			Basic report		
	Name		Create Basic report u	sing object selec	ted on the tree list.

3. Now the report will generate, you can edit some fields (the ones highlighted in blue) by pressing 'Editing Fields' then you can choose to print or perhaps export as pdf, or email it as a pdf attachment.

								Prev	iew		_			
Editing Fields	First Page Navigation	Previous Page	Next Page	Last Page	► ♥ @	Many Pages	Q Zoom Out Zoom	Q Zoom	Ð Zoom In	Page Color	r Exp ound	DF PDF port E-Mail T As T Export	Close Close	
	You can edit some fields by pressing 'Editing Fields'           Customer No:         Inspection No.:         123456789         Order No.:         Image: Customer No.:													
		TEST F Test in accord Instrument	ance with MI 330	9BT	Use	AS/NZS 3	760	Seri	al Nr.: 1619	90208 C	al. Date: 2	1/04/2021		
		Path:No Singe te Duratio	ode//Rece ests//24.00 n:2 s, Riso:	eption//DTS 5.2021 00:00 :>200 MΩ, I	0001 0:00 //Pas Jm: 525 \	ss // <u>Visual</u> , P// <u>C</u> /, L Limit(Ri <b>so</b> ):	<u>Continuity</u> , Iou 1 MΩ, P// <u>Pola</u>	ut: 200 mA rity , Statu	, Duration: 2 : s: On, Result:	Ser s, R: 0.05 Ω, H Lim Pass, P//	ial:16190208 it(R): 1.00 Ω,	P// <u>R iso</u> , Type: Ri	iso, Uiso:500 V,	



### Exporting ES Manager data to Excel

To export the data from a Node in ES Manager to an Excel .csv file

- 1. Select the File option on ES manager
- 2. Select Export
- 3. Select ToExcel (Basic PAT Export)
- 4. Select Basic PAT Export

@	È 🗄	-	Ē	•			
	-						
	New			ToExcel (Basic PAT Export)			Basic EIS Export
_				ToXML (Basic PAT Export)	•		Basic PAT Export
	Open			Pro Export	•	inect	Get instrument info
B	Save	۲					1
r t	Merge					4	Appliance Id
\$UL						Ρ	▶ TE0105
	Create	×					<ul> <li>Appliance</li> </ul>
							Appliance
27	Import	•					Appliance
							Appliance
91	Export	•					▶ 0001
							▶ 0002
<b>Q</b> .	Settinos						▶ 0001
							▶ 0006

5. You will get a prompt box asking you to select where the file is saved and to enter a file name

Home		Name -	Date modified	Туре	Size
Desktop	×	rtretre.xlsx	27/10/2023 13:32	Microsoft Excel Worksheet	43 KB
	×	aaaaa.xlsx	27/10/2023 11:20	Microsoft Excel Worksheet	4 KB
		Template	30/05/2022 12:42	File folder	
			1		
File Name: Company File Name		-	Excell files (*.xlsx)	-	Save Cancel
				_	

6. Press Save and it will save the .csv to your desired location.



## **USB Troubleshooting**

If you are not able to find/choose the COM port when using a USB connection

- First you can check all your windows updates are up to date, there may be a pending update for a driver to install for the tester.
- Check the instrument itself, under Setup > communications check if you have this set to USB and not serial
- Maybe the USB is not working properly You can check if the computer is communicating with the instrument properly by following the below:
  - 1. In start menu, search for device manager and open it.

	All	Apps	Documents	Web	More	•
E	Best m	atch 3				
		<b>Device</b> Control p	Manager banel			
s	earch	work and	l web			
1	Q de	evice ma	nager - See wor	k and we	b	>
3	2					
ns: 2	Ø de	evice ma	nager			
	A		oi (j)	6		4

2. Expand ports, your tester should appear here with a com port number if the computer is correctly recognising the tester





- 3. It won't say the testers name though, it might for example it might say something like 'Virtual com port (COM16)' for your tester, try unplugging the USB and see if one of the COM ports goes away and comes back when you plug the tester in.
- 4. If no com ports appear or disappear with plugging in/out the tester then most likely the driver is not working
- 5. You can try to manually install virtual com port driver from here: <u>https://ftdichip.com/wp-content/uploads/2021/08/CDM212364\_Setup.zip</u>
- 6. Then once installed you might need to reboot the PC but you can try it again or check if the computer now has a com port number assigned to your device per above steps.
- 7. If still no COM port is appearing then I'd suggest trying a different USB cable or try rule out a computer issue by trying a different PC.