Application Note 0039

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Downloading data from Rigel device to PC

Equipment required:

- Rigel device

- PC/Laptop

- Bluetooth connectivity or RS 232 cable

- DataTransfer.exe for file transfer

There are 3 ways to send test results from the Rigel device to a PC:

1) Bluetooth connection

2) Serial connection using the RS 232 cable

3) USB (Only applicable for Performance Analysers)

Bluetooth connection

To download via Bluetooth the download is always initiated by the Rigel tester and can be saved as:

i. Text file

ii. Csv file

iii. To Med-eBase as SSS file (Details of this can be found in Application Note 0038)

Make sure the PC and Rigel device are paired via Bluetooth Favourites on the device

Note:
Bluetooth pairing is described in Application Note 0035
On the first time paring a device to the PC a request may appear on the PC for confirmation of the pass key. This is set to 0000 (4 zeroes) as default.

Application Note 0039

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<u>For 288 and Sim Range test instruments</u>

1) *Select F4* *and then D Data transfer.*

2) *On the PC, open the DataTransfer.exe program (This is available as a free download from rigelmedical.com).*

3) Select Capture then start capture.
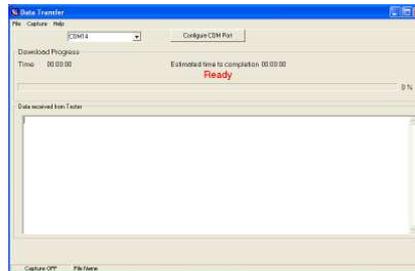
4) Choose a save name and location and change the file type to either .csv or .txt and press Save
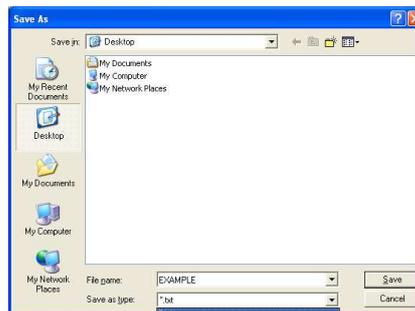
5) Back on the Rigel device select D Download to PC then F4 ✓ to confirm

6) An hour glass appears in the right hand corner while the Rigel device pairs with the PC Bluetooth and should turn to a Bluetooth sign when it is connected.

7) F4 Send to start sending data from the tester.

8) Once the transfer of data is complete go to the Datatransfer.exe program select Capture then stop capture.

9) The data will now be saved in your chosen location as either a csv or txt file.

Application Note 0039

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<u>For Performance Analysers (Uni-Therm)</u>

1) Select Menu, then Data and Transfer Data

Menu	Data
Auto Mode	View Data
Data	Transfer Data
Setup	BT Favourites
← Auto Data Setup	← View Transfer BT

P
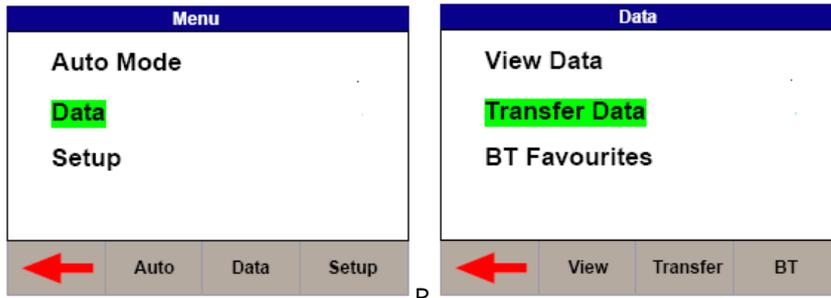
2) Then follow steps 2 to 4 from previously.

3) On the Uni-Therm press F2 Format to change the file format to either CSV Full or CSV Summary for transfer to PC.

4) Press F3 Port to change the download port to Bluetooth.

Data Transfer

Number Of Records	1
Pc Status	Connected
Port Option	USB
Operation	CSV Full

← Format Port Start
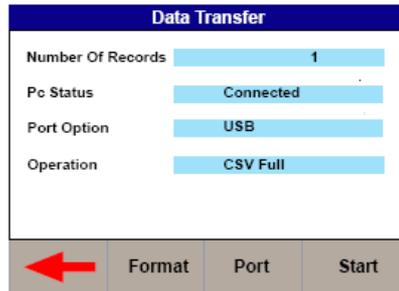
5) Press F4 START to begin the transfer.

6) When the Data Transfer is complete follow steps 8 and 9 from previously.
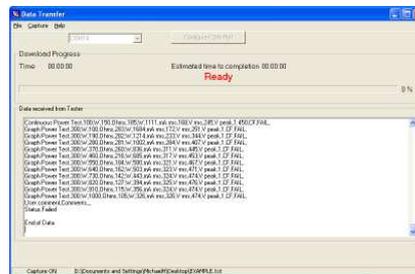
<u>Serial connection using the RS 232 cable</u>

To download using RS 232 the connection use the same method as for Bluetooth however the COM port will always be through COM1.

Application Note 0039

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<u>USB connection Performance Analysers only (Uni-Therm</u>

1) Install the ERT1557USB driver. (This driver is available as part of the Uni-Therm firmware download, or on request from support@rigelmedical.com)

2) Connect the USB lead between the Rigel unit and the PC.

3) Select Menu, then Data and Transfer Data

4) Select F2 Format and change it to USB.

Data Transfer	
Number Of Records	1
Pc Status	Connected
Port Option	USB
Operation	CSV Full

←	Format	Port	Start

5) Open DataTransfer.exe and select COM1 from the drop down menu and then set the Bits per second field to 115200 and click Apply.

6) Follow the steps from previously using Datatransfer.exe program

End