DATA-VIEWER TUTORIAL

TLC-BLE CONNECTION IN OUTPUT APPLICATION

The TESA DATA-VIEWER is the new software for data collection and it doesn't replace the TESA DATA-DIRECT and TESA STAT-EXPRESS.

For your better understanding, we would like to explain you the difference between our 3 software here below:

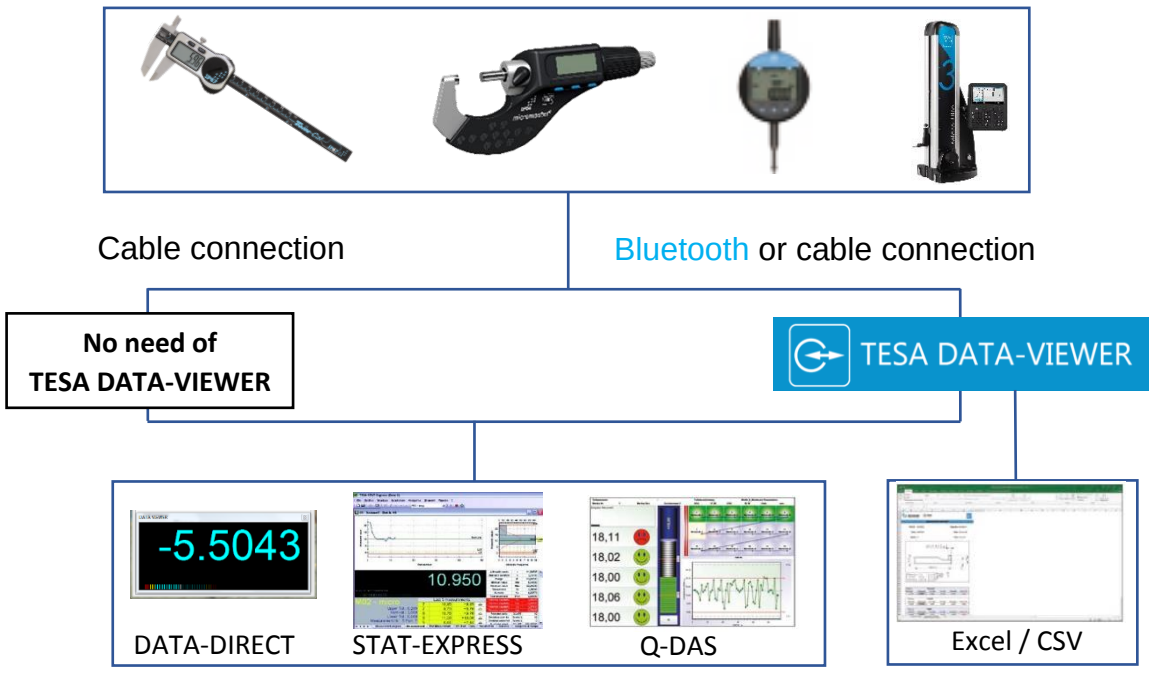
- TESA DATA-DIRECT
- TESA STAT-EXPRESS
- TESA DATA-VIEWER

Each software has some unique features, that the others have not:

1. The **TESA DATA-DIRECT** enables the user to: connect the TWIN-STATION, connect instruments of the competition, make cell management and polling.
2. The **TESA STAT-EXPRESS** is designed to manage the data with test plan settings and print measuring report.
3. The **TESA DATA-VIEWER** can display/collect data or it can operate as a bridge to other data processing software (STAT-EXPRESS, Q-DAS...) or Excel.

For every customer working today with DATA-DIRECT or STAT-EXPRESS, the DATA-VIEWER will be required only if they want to connect their instruments via Bluetooth with the new TLC-BLE.

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1. TLC-BLE connection on DATA-DIRECT or STAT-EXPRESS



Available only from:

- DATA-DIRECT version FULL 1.5.85.1
- STAT-EXPRESS version FULL 1.0.87.19

Contact TESA.service@hexagon.com if you need the latest version.

STEP 1:

Connect the TLC-BLE instruments to DATA-VIEWER.



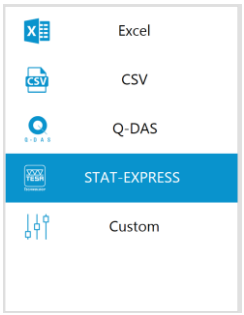
STEP 2:

In DATA-VIEWER, click on the setting button to set the output application STAT-EXPRESS.



STEP 3:

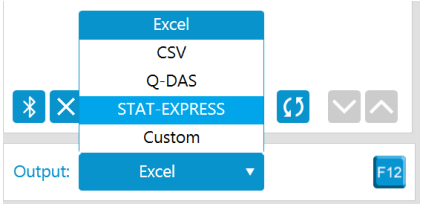
Select the COM port number of each activated instrument.





STEP 4:

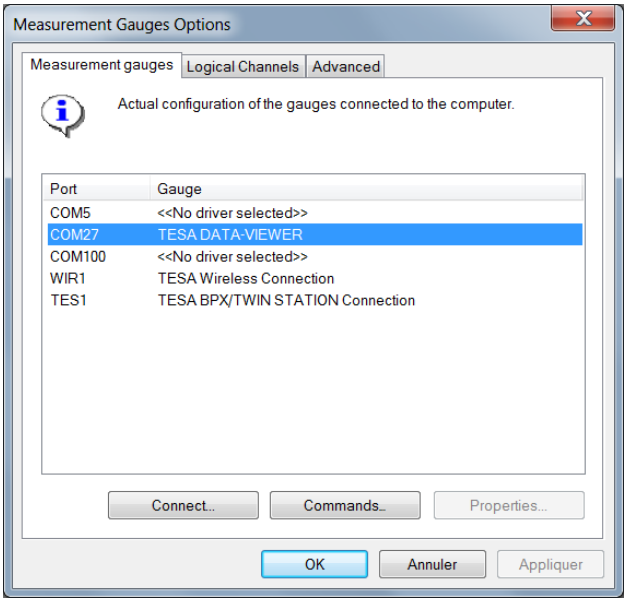
Once the settings complete, select STAT-EXPRESS as output application. This is the same for DATA-DIRECT or STAT-EXPRESS. The output application has been called STAT-EXPRESS because it is the main data manager software of TESA.

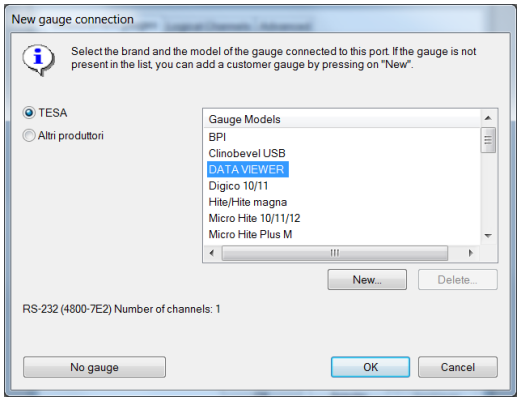


STEP 5:

Open DATA-DIRECT or STAT-EXPRESS, select INSTRUMENT CONFIGURATION. The define COM port in DATA-VIEWER is automatically recognized as DATA-VIEWER connection type.

If not automatically selected, select the COM Port number defined in DATA-VIEWER and select the connection type DATA-VIEWER.





STEP 6:

The configuration is now ready for the data collection in DATA-DIRECT or STAT-EXPRESS.

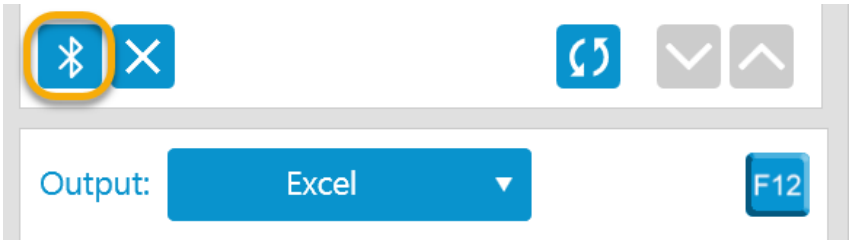
2. TLC-BLE connection on Q-DAS software



Available only with updated library on Q-DAS software compatible DATA-VIEWER.

STEP 1:

Connect the TLC-BLE instruments to DATA-VIEWER



STEP 2:

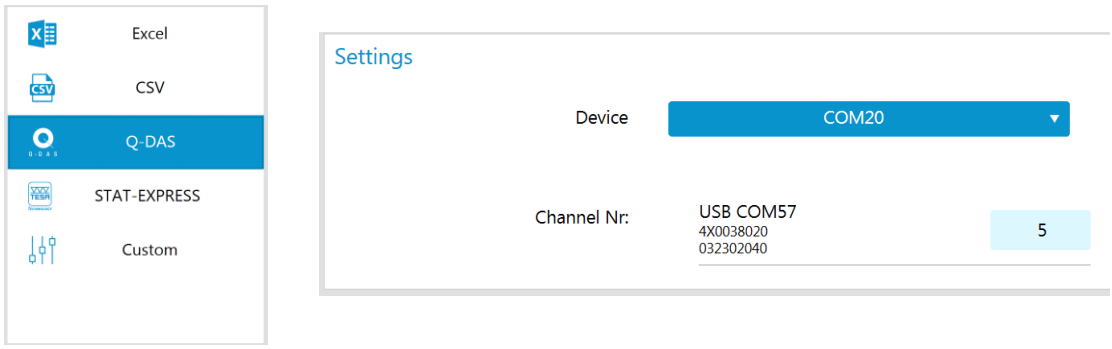
In DATA-VIEWER, click on the setting button to set the output application Q-DAS.



STEP 3:

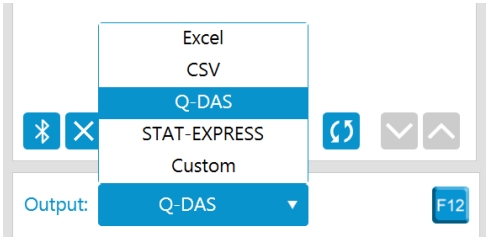
Select the COM port number (one for all instruments).

Select the channel Nr. for each connected instrument.



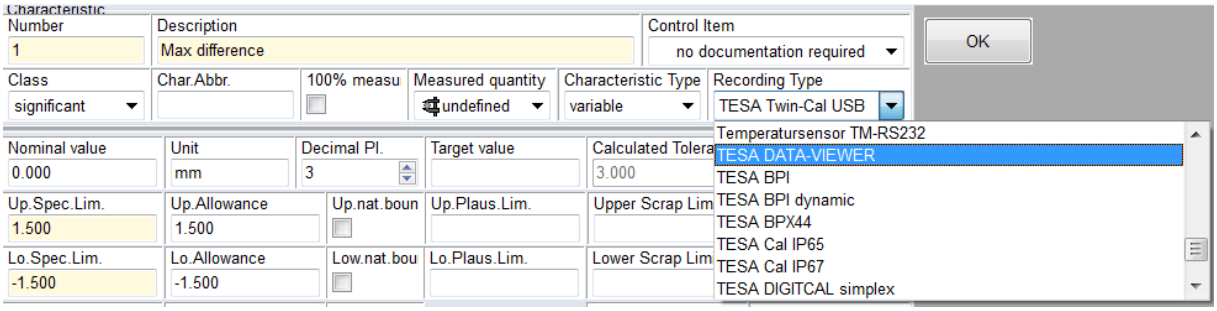
STEP 4:

Once the settings complete, select Q-DAS as output application



STEP 5:

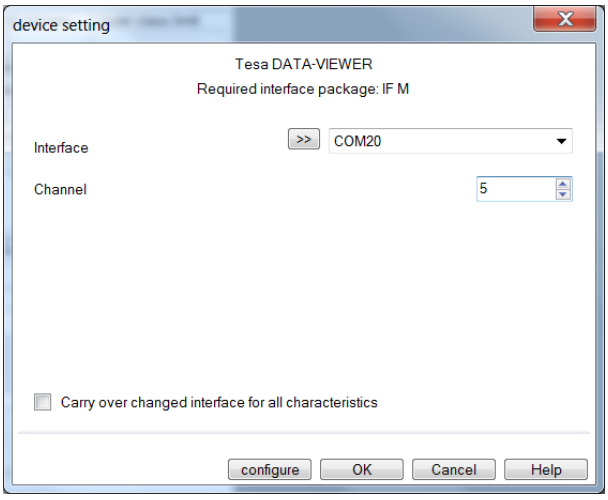
Open Q-DAS software, select in the characteristics mask RECORDING TYPE and select TESA DATA-VIEWER.



STEP 6:

Select the same COM port number as defined in DATA-VIEWER (see step 3).

Select the channel Nr. of the instrument as defined in DATA-VIEWER (see step 3).



STEP 7:

The configuration is now ready for the data collection.

Data are sent to Q-DAS by pressing SPACE bar on the keyboard of the Q-DAS software or by pressing SEND button on the instrument.

3. TLC-BLE connection on Excel with MICRO-HITE 2016



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Remove the battery from the TLC-BLE with the help of a screwdriver.

Available only from panel version 2 !

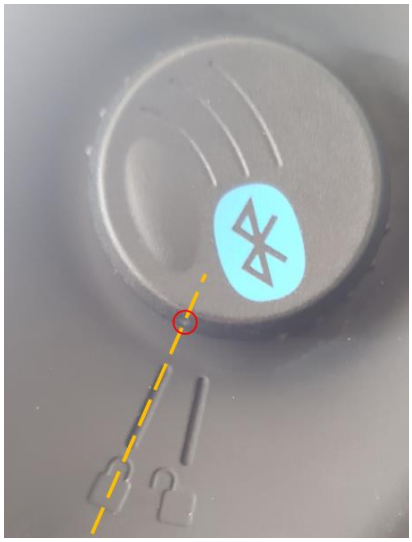


STEP 2:

Connect the TLC-BLE via the TLC connector of the panel.

The marking on the TLC-BLE must be align with the lock for the good position.

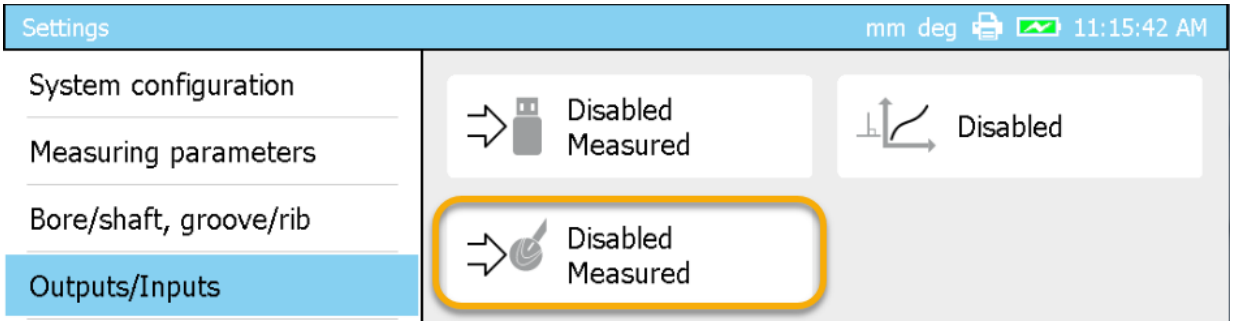
Turn right to connect. The connection is IP67. The O-Ring will create a resistance when you rotate the TLC-BLE.



STEP 3:

Start the Panel.

On the main page, click on SETTINGS. Then click on OUTPUTS/INPUTS to select the TLC connector output.



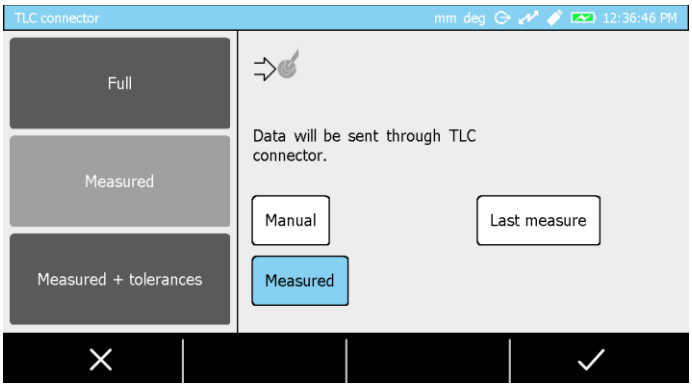
STEP 4:

Select either Manual or Automatic mode to send the data:

Manual mode:

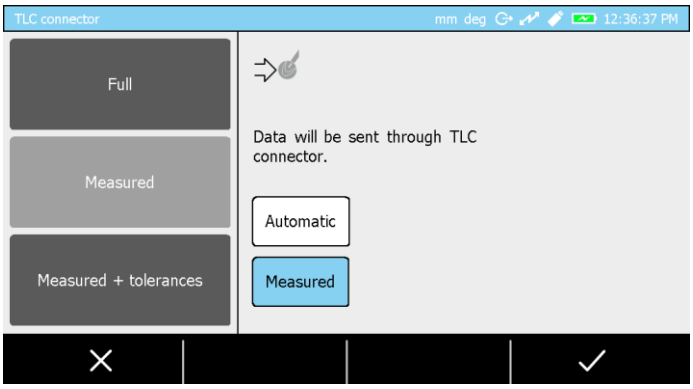
Manual mode requests an action of the user to send the data. No data will be sent unless the user presses the key  of the panel.

Select only “Measured”. “Full” or “Measured+ tolerances” doesn’t work for the connection.



Automatic mode:

After each measurement taken by the Micro-Hite, the data is automatically sent.



Select only “Measured”. “Full” or “Measured+ tolerances” doesn’t work for the connection.

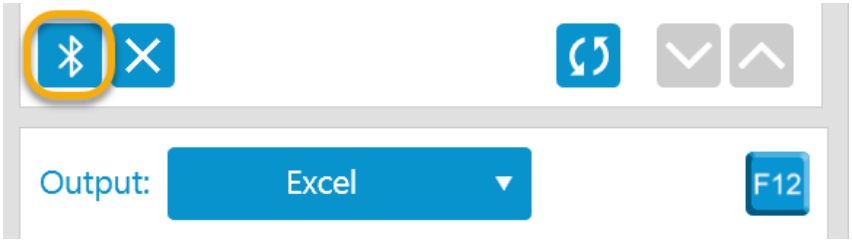
STEP 5:

Take the reference in the mode ST1 or ST2.

STEP 6:

Connect the USB dongle

Click on the Bluetooth logo of DATA-VIEWER

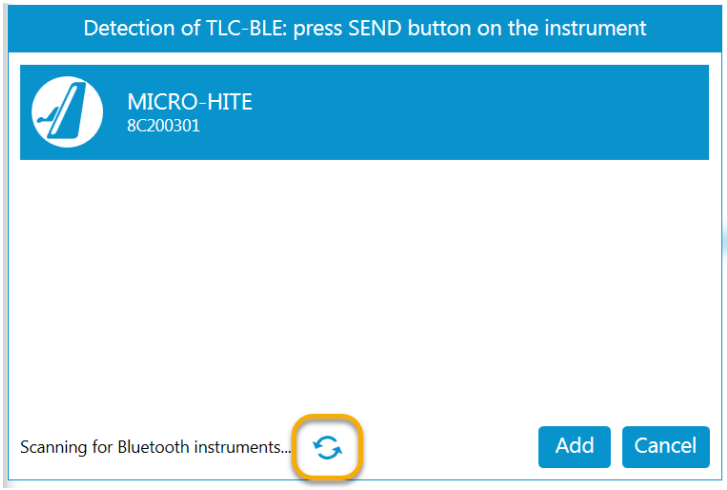


STEP 8:

Take a measuring value with the Micro-Hite.

Send the data manually if in Manual mode.

ATTENTION: Only if the measuring value taken is sent, the Micro-Hite will appear in the list of Bluetooth instruments detected.



Select the MICRO-HITE and click on ADD button.

ATTENTION: If your Micro-Hite is not detected and the refresh button  is not rotating anymore, click on it to restart the Bluetooth instruments scanning.

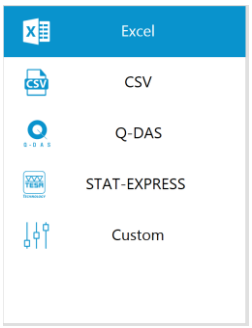
STEP 9:

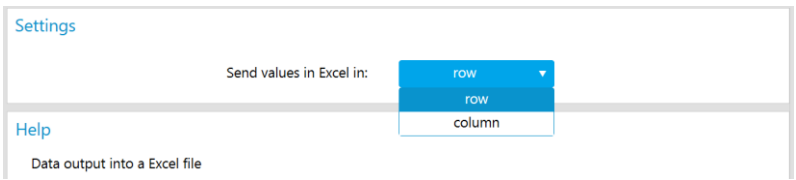
In DATA-VIEWER, click on the setting button to set the output application Excel.



STEP 10:

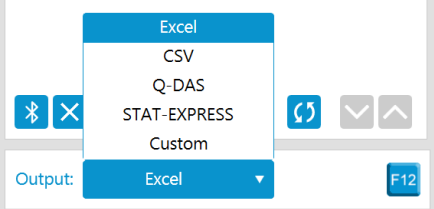
Select either ROW or COLUMN to send the value in Excel





STEP 11:

Once the settings complete, select Excel as output application



STEP 12:

Select the Excel cell in which you want to send the data.

Data are sent to Excel by pressing F12 key on the keyboard or SEND button on the MICRO-HITE if in Manual mode.