

THE MEASURABLE DIFFERENCE.



DEWETRON

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# OXYGEN TRAINING > DATA STORING



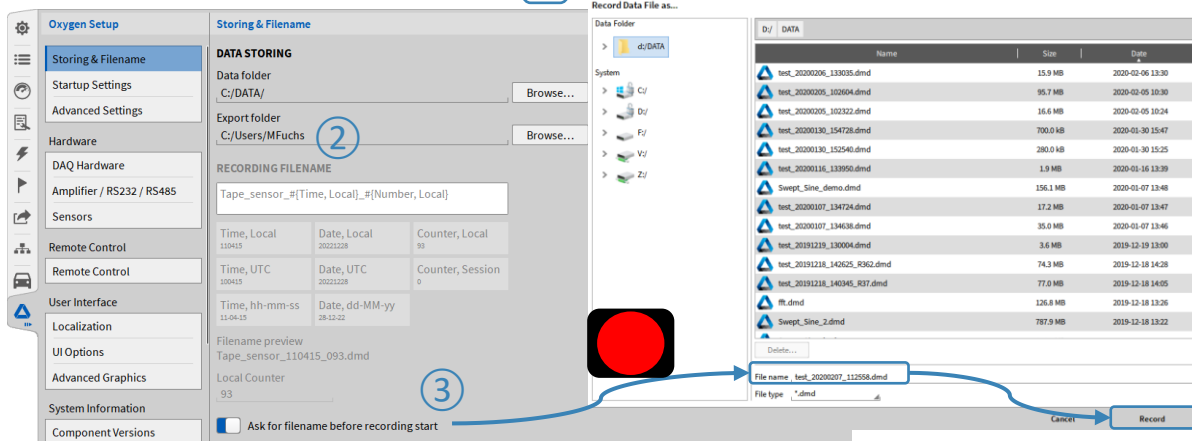
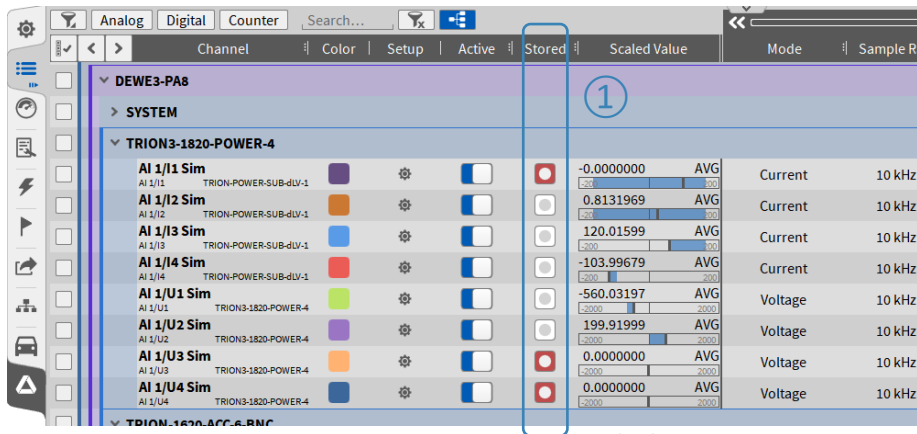


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# STORING SETTINGS

- 1 Select channels to be stored in the Channel List
- 2 Specify the storage folder and filename
- 3 If enabled, the filename dialog will pop-up after pressing the REC button

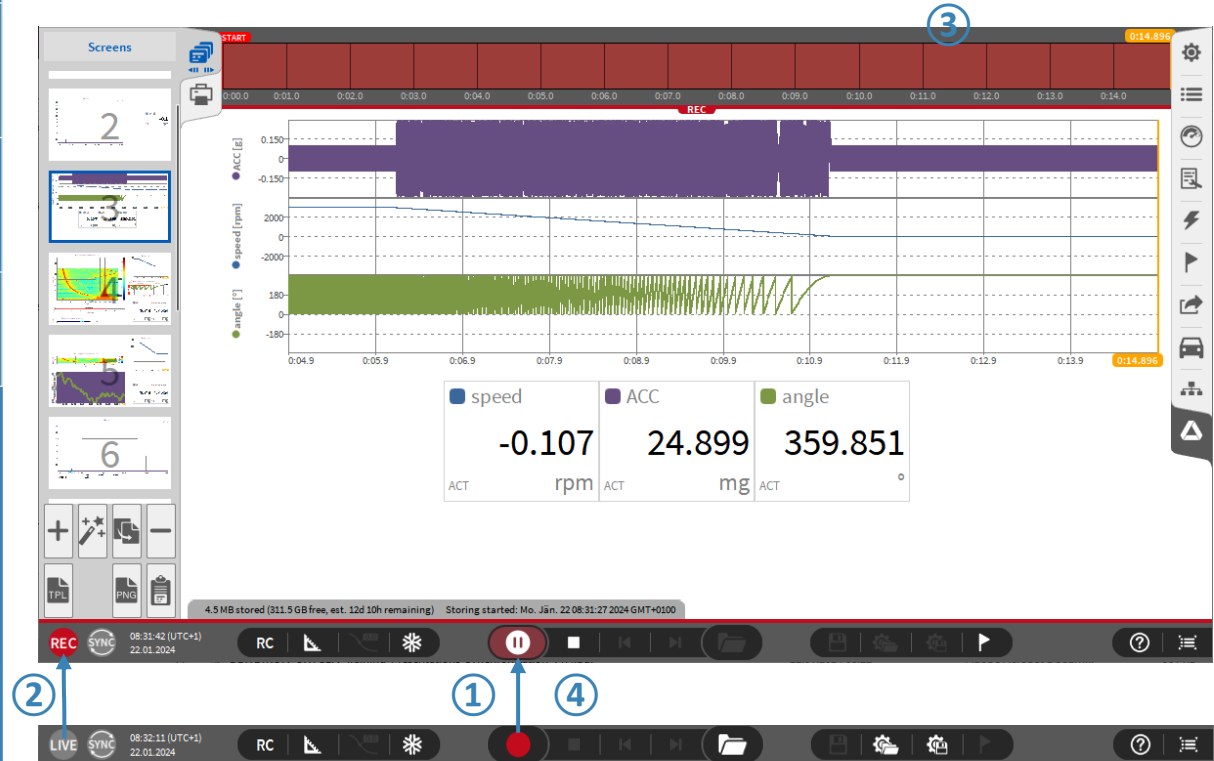


# STARTING DATA RECORDING



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- 1 Press the *Record* button (Measurement can be paused while Recording is active)
- 2 LIVE Indicator will become REC indicator; Red Line above Action bar marks active recording mode, too
- 3 The Overview bar will display the signal trend of one certain channel for the entire measurement
- 4 Press *Stop* button to terminate data recording





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# DEJAVIEW – REVIEW DATA WHILE RECORDING

- 1 Select a Recorder and move the data to the right
- 2 Go back until data of interest is reached; The mouse wheel, box zoom with right click and adjustment of axes scaling can be used to zoom into the data. The orange box in the Overview bar marks the actual position in the data file
- 3 Enable A/B cursors in the Recorder properties for detailed data analysis; Cursor position can be changed with the mouse.
- 4 Select the statistical analysis options for data between the cursors.
- 5 When finished press the >> button to jump back to the actual data

The screenshot displays the DEWETRON software interface during a recording session. The top bar shows a timeline from 0:00.0 to 0:12.080. An orange box highlights the current recording position. The main plot shows a green waveform labeled 'angle [°]' with a blue arrow pointing to a specific region. A second screenshot below shows the same plot with two vertical cursors (A and B) placed on the waveform. A table below the plot provides statistical data for the selected region.

	A	B	Delta	Min	Avg
Time [s]	2.640699	4.983939	2.343240		
angle [°]	278.3711	359.8276	81.45646	4.415e-3	216.0082

Below the table, a summary of values is shown:

speed	ACC	angle
1373.084	188.121	68.490
ACT rpm	ACT mg	ACT °

The right-hand panel shows the 'Recorder' settings, with 'CURSORS' and 'VALUE AXIS' options checked. The 'CURSORS' section includes checkboxes for Max, Avg, Slope, Min, RMS, Frequ., Integral, and Peak-Peak. The 'VALUE AXIS' section includes checkboxes for Automatic scaling and Individual scaling. The 'STYLE' section includes checkboxes for Transparent background and Show event markers.



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# ADDING MARKERS

- 1 Press the marker button
  - 2 Specify a name and press Ok afterwards
  - 3 Markers will be displayed in the Recorder and Overview bar
  - 4 The Marker menu will contain a list with all markers; Jump to the marker position with a click on the marker time
- Markers will be accessible in the same manner during reviewing a data file

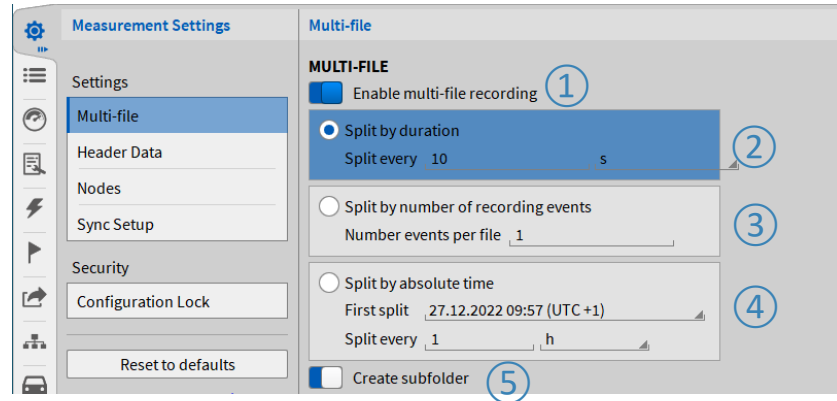
Event	Time
Recording Start	0:00.00000000
Marker 1	0:01.33680000
MArker 2	0:07.09820000
Marker 3	0:11.77990000



# MULTI-FILE RECORDING

Possibility to split up data recording into several single data files; useful i.e.

- To avoid one huge data file and get several small ones instead
- To start data analysis while the data recording is still running



- ① Enable Multi-File Recording and select the file split by
- ② > Recording duration, i.e. new file every 10 minutes
- ③ > Number of recording events, i.e. triggered recording
- ④ > Absolute time, i.e. new file every full hour is passed
- ⑤ > Select if Multi-file parts shall be stored to separate sub folder or not

### Remarks:

- Split by duration: min. duration is 10 sec
- Split by absolute time:
  - OXYGEN time is used for reference (Windows time or GPS time if acquired via TIMING board)
  - If first split is in the past, next splits are calculated correctly from actual time
- Files belonging to the same recording are stored to one separate folder in your data directory; Directory named according to the filename
- Files belonging to the same recording can be opened in parallel and reviewed

