

THE MEASURABLE DIFFERENCE.



DEWETRON

▼

OXYGEN TRAINING > DATA EXPORT

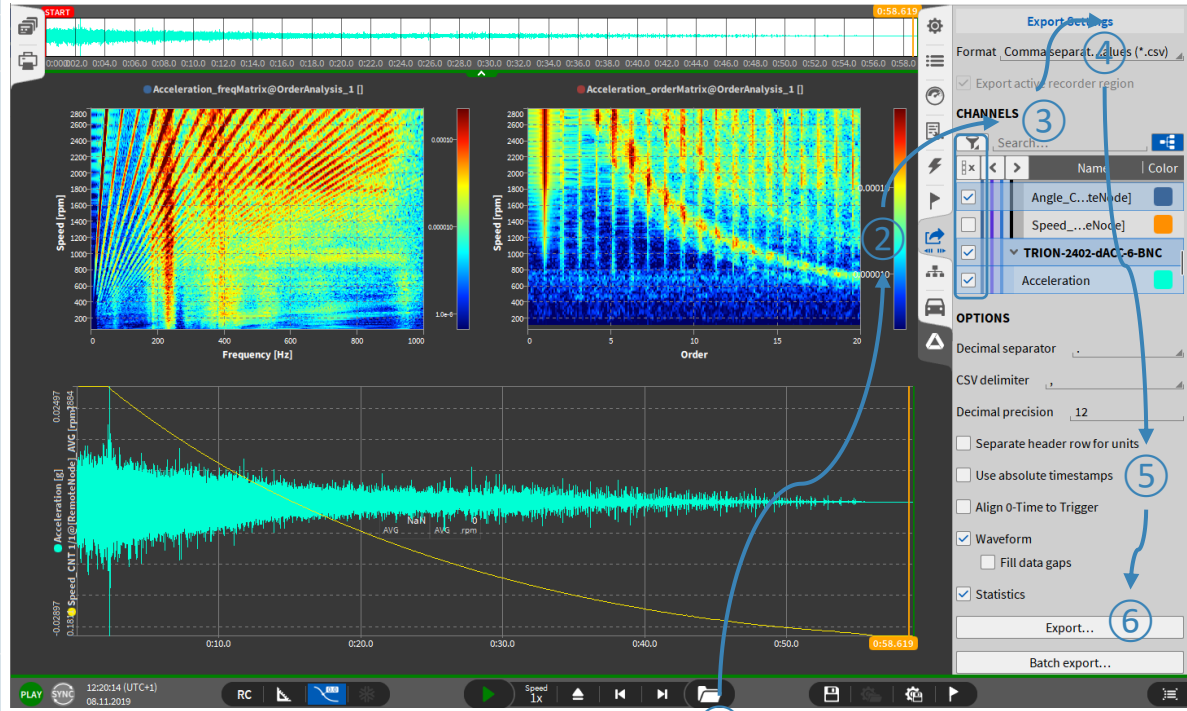




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How to export data

- ① Open a data file
- ② Go to the Export menu
- ③ Select the channels to be exported
- ④ Select the export file format:
 - *.txt,
 - *.csv
 - *.mdf4.0/4.1
 - *.mat
 - *.xlsx
 - *.rsp (rpc III)
 - *.wav
 - *.dat (DIADEM)
 - *.hdf5
 - *.nt (DynaWorks)
 - *.uff (uff58 - Binary and ASCII)
 - *.tdms
 - *.imc2 (FAMOS)
 - *.nc (NetCDF)
 - *.datx-Format (DSPCon)
- ⑤ Choose between different file format dependent options
- ⑥ Press the export button to specify a filename and folder



①



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EXPORT OPTIONS

① Default Export folder can be specified in *System Settings* → *Measurement Setup*

② Waveform exports data of selected channels at full sample rate
Statistics only exports min/max/avg/rms values of each selected channel for a defined window time if activated in Trigger menu (③)

Oxygen Setup

Storing & Filename

DATA STORING

Data folder: C:/DATA/

Export folder: C:/Users/MFuchs (1)

RECORDING FILENAME

m_#[Date]_[Time]

Time, Local	Date, Local	Counter, Local
110756	20220930	178

Time, UTC	Date, UTC	Counter, Session
090756	20220930	0

Time, hh-mm-ss	Date, dd-MM-yy
11-07-56	30-09-22

Filename preview: m_20220930_110756.dmd

Local Counter: 178

Ask for filename before recording start

Triggered Events

Recording Mode

- Waveform recording, Continuous
- Statistics recording, Window 1s
- Individual channel configuration

+ Add Event

OPTIONS

Comma separated values (*.csv)

Decimal separator: .

CSV delimiter: ,

Decimal precision: 12

Separate header row for units

Use absolute timestamps

Align 0-Time to Trigger

Waveform (2)

Fill data gaps

Statistics (2)

- AVG
- RMS
- MIN
- MAX

Export...
Batch export...

AUTOMATIC EXPORT

Export on measurement end

Auto-export folder: C:/DATA/

Recording Mode

WAVEFORM

- Continuous
- Event based
- Disabled

Pre-time
 Pause after
 Post-time

STATISTICS

- Enabled (3)
- Disabled

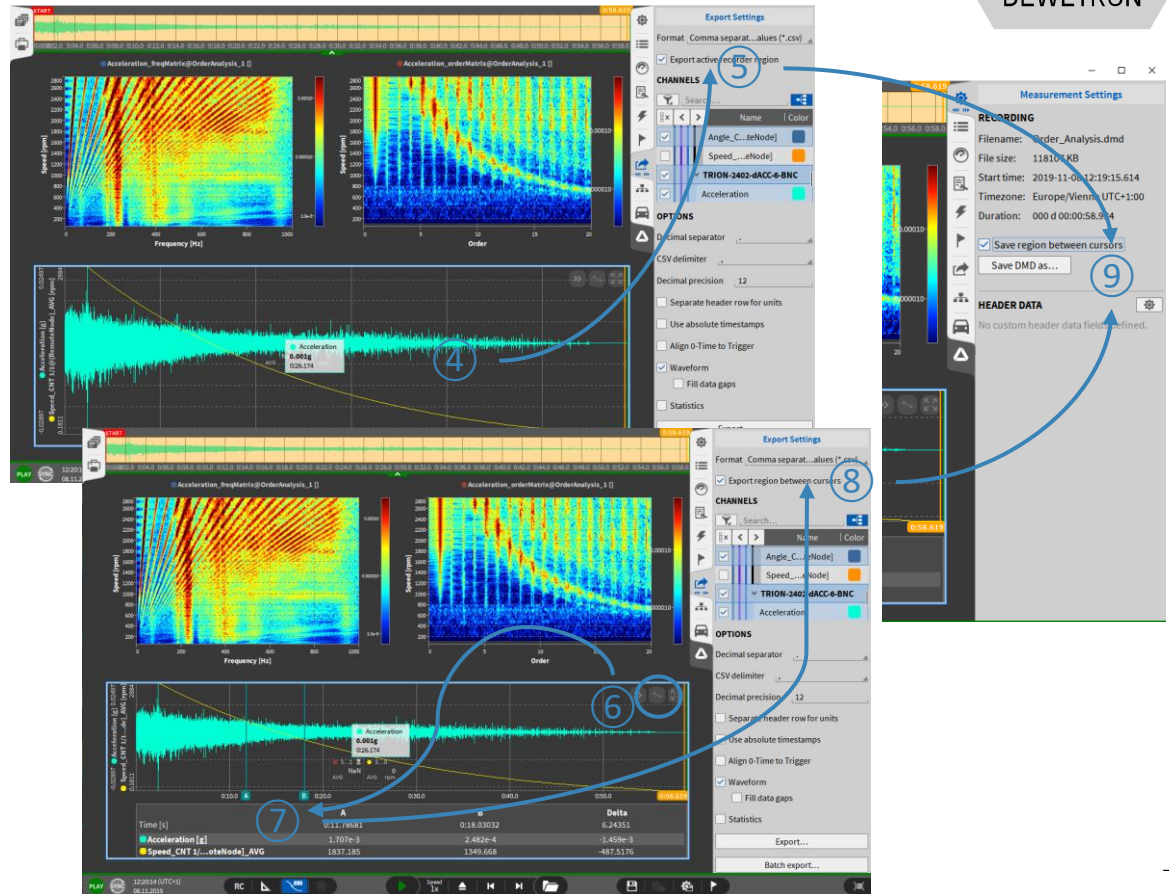
Statistics window: 1 s



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EXPORT OPTIONS

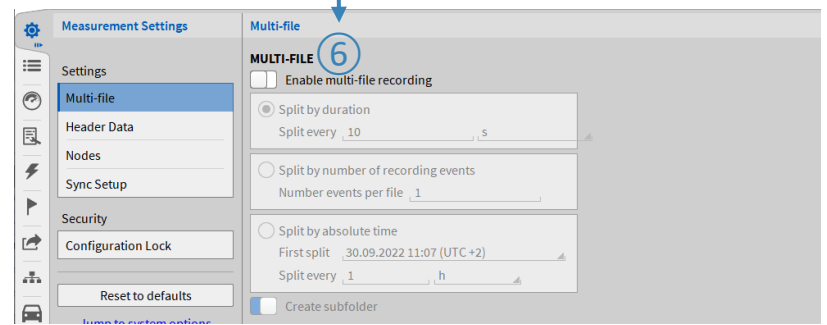
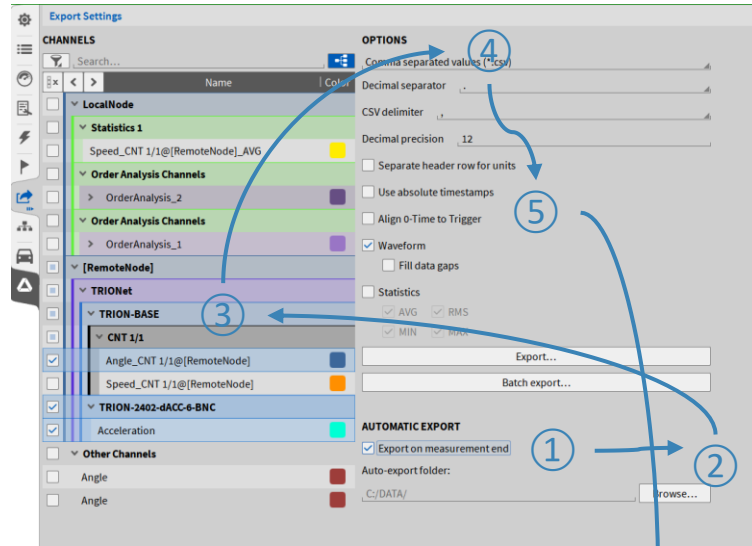
- ④ If a Recorder is selected during export, the selected signals can be exported only for the timespan displayed in the Recorder
- ⑤ *Export active recorder region* must be selected herefor
- ⑥ Cursors can be activated as well
- ⑦ If cursors are activated in the Recorder, the data of the selected signals can be exported only for the timespan between the cursors
- ⑧ *Export region between cursors* must be selected herefor
- ⑨ The dmd export can be used in combination with one of these two possibilities to decrease the file size of dmd files.
Dmd export supports no channel selection but exports all available channels





AUTOMATIC EXPORT

- ① The Export menu can also be accessed in Live mode during setup generation to activate the option to automatically *Export the data after measurement end*
- ② A separate export folder can be specified
- ③ Individual channels for export can be selected
- ④ Export format can be specified
- ⑤ Format dependent options are available
- ⑥ In case of Multi-File recording, data since recording start will be exported to one single file but not be split up in individual files

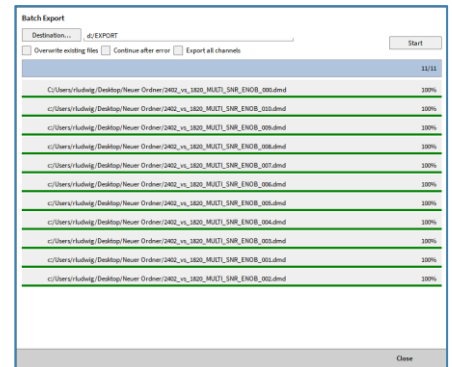
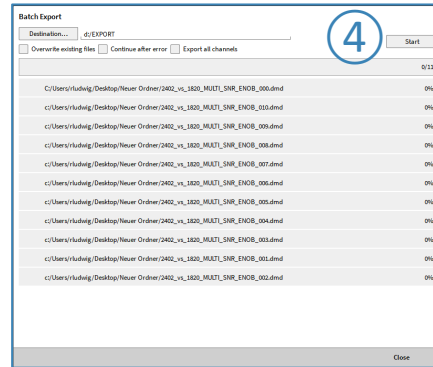
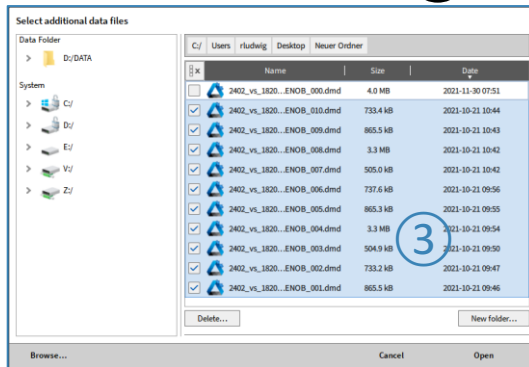
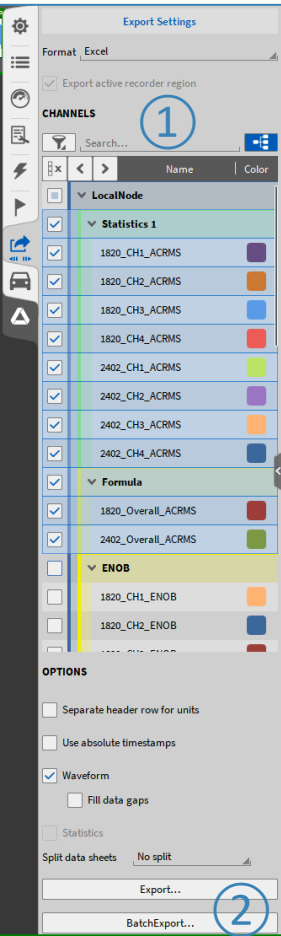


BATCH EXPORT



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- > Possibility to export data of several *.dmd-files successively
- > How to...
 - > Load one file and set the export options (①)
 - > Press Batch Export (②)
 - > Select additional *.dmd-files (③)
 - > Press Start (④)



BATCH EXPORT

- > Requirements: Selected channels (Channel Names) need to be included in all *.dmd-files
 - > Good to know:
 - > Possibility to export all channels (⑤)
 - Batch export with files including different channel names
 - > Data export from Rec start to end
 - Active Recorder / Cursor region will be ignored
 - > Batch export stops when error occurs
- Errors might be:
- > Channel not found
 - > File not accessible
 - > Export file already exists - can be overwritten automatically (⑥)
 - > Possibility to continue after error (⑦)

