

conanair manual mode quick guide

Ver. 3.0.0

Oct. 12,2021

NSXe Co. LTD

Manual operation procedure

1. Power on the conanair
2. With a smartphone, a tablet or a computer, connect to the conanair using a WiFi connection.
3. Open with a browser

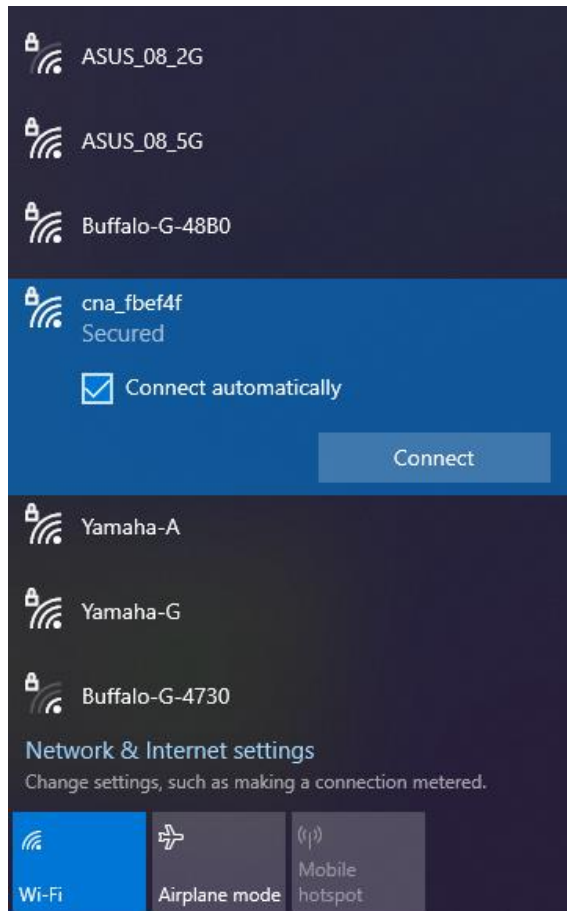
Google Chrome or Microsoft Edge (Windows 10) is recommended.

Internet Explorer is not supported.

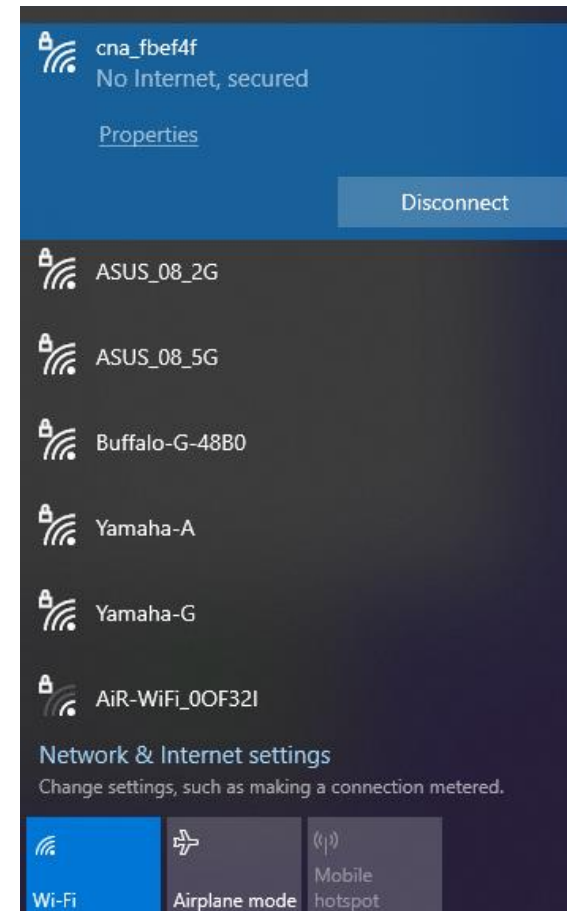
1. Power on

- Insert new batteries
- Place a magnet on the power symbol  on the case

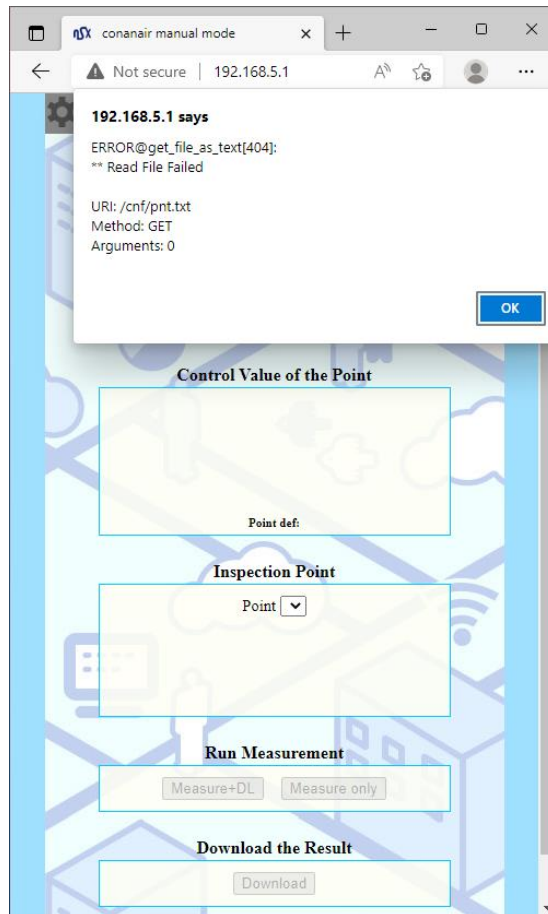
2. Connect to conanair via WiFi (cna_*****)



Key: **19920112**

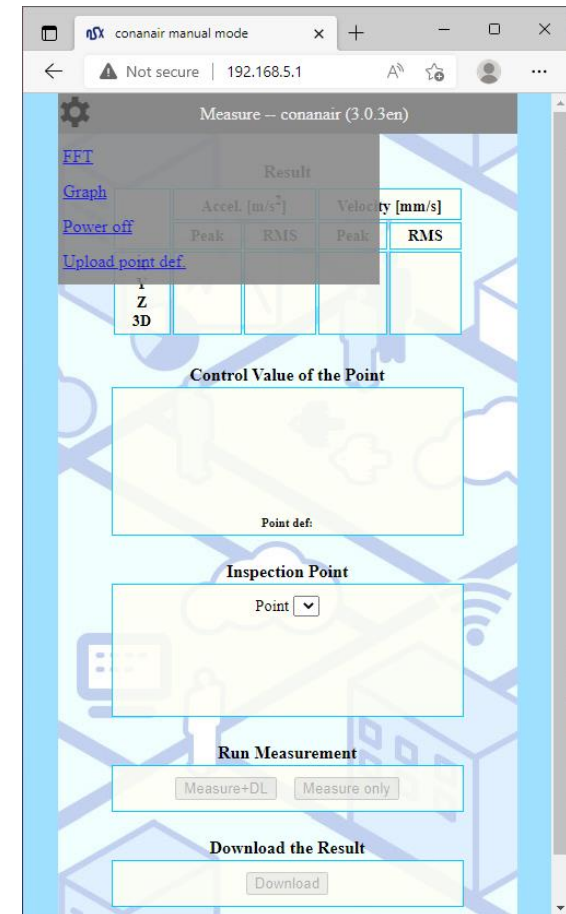


3. Connect to 192.168.5.1 with a browser



When the screen on the left is displayed for the first time, press the OK button to "upload the point definition file".

The sample definition file can be found on the CD, see the next page.



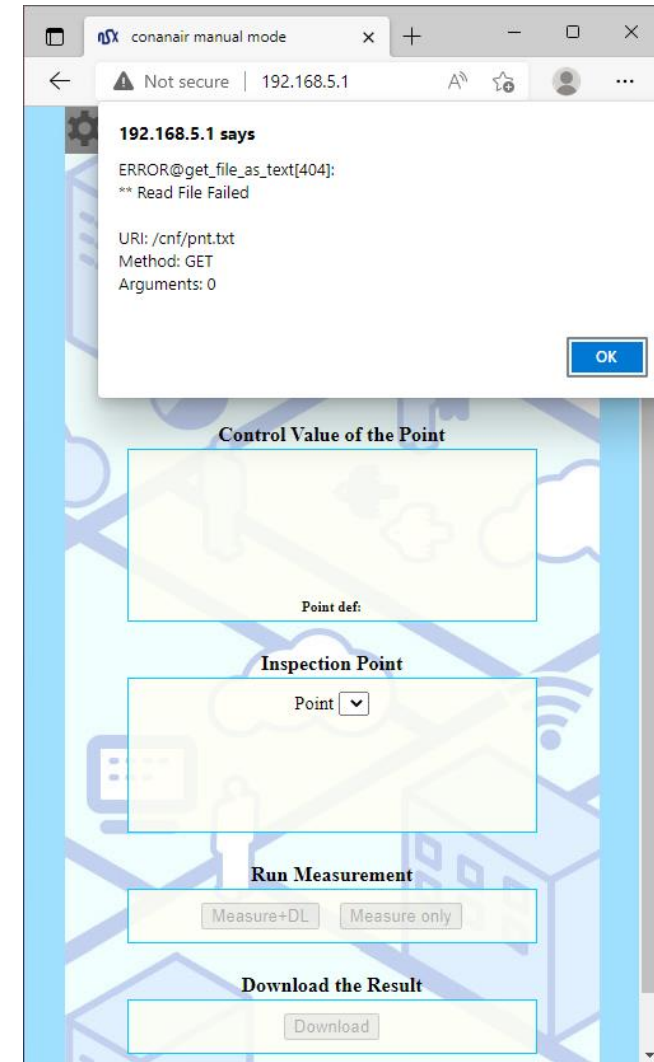
3-1. Initial setup (only when the error shown in the picture appears)

- **If there is no definition file, please create one and upload it.**

[Definition file]

- 1) Equipment name (Tag name)
- 2) Management value type (speed, acceleration / peak, RMS)
- 3) Warning value
- 4) Alarm value
- 5) Explanation 1-4

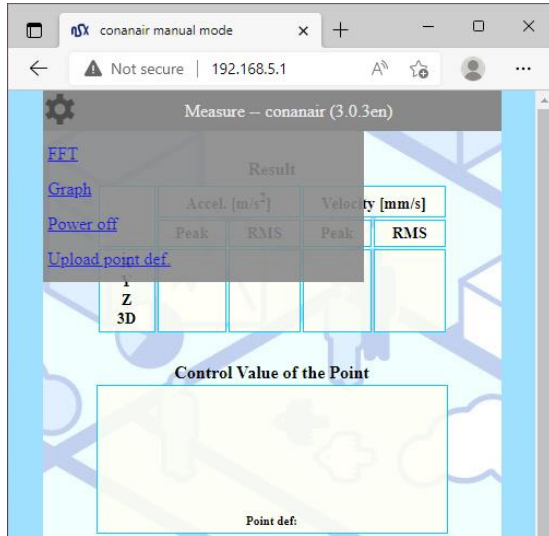
The sample definition file is on the CD, under the filename pnt_def_sample.csv



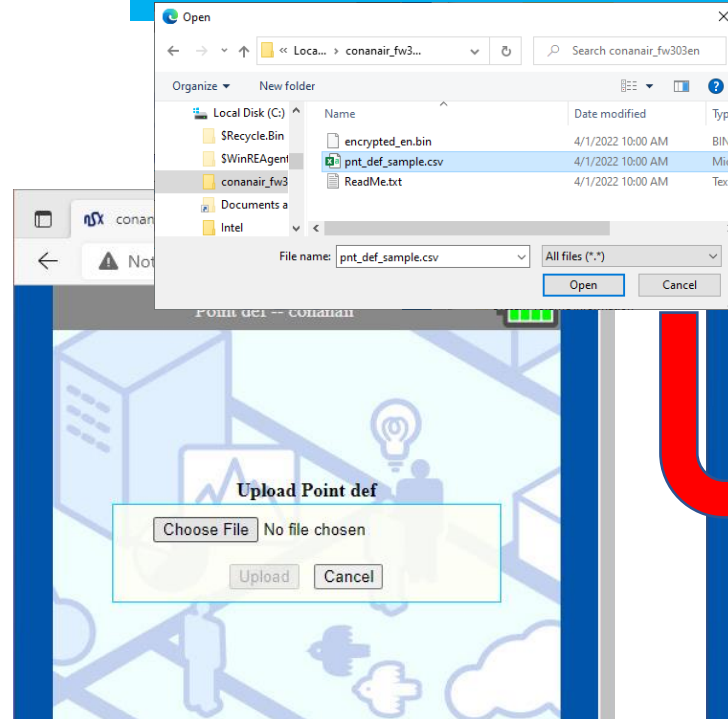
How to upload the point definition file (CSV)

Definition file contents [Save as CSV UTF-8 (comma separated)]No, Tag, control value type, warning value, alarm value, explanation 1, explanation 2, explanation 3, explanation 4

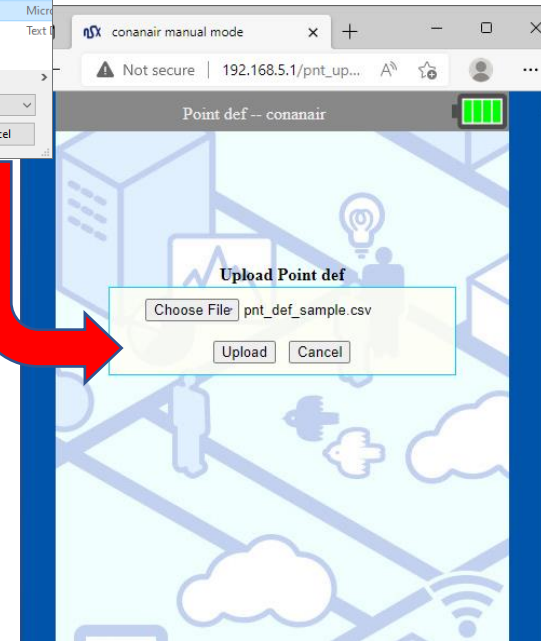
Please refer to the manual for details. [Register up to 100Tag]



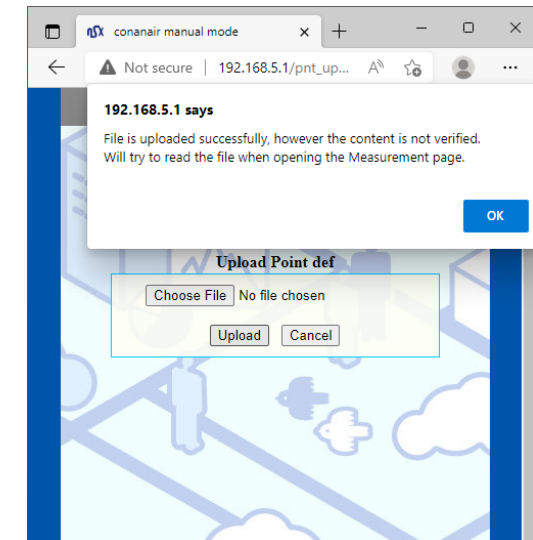
Click Upload Point Definition File from the gear mark



Select the file [CSV]
The sample is pnt_def_sample.csv

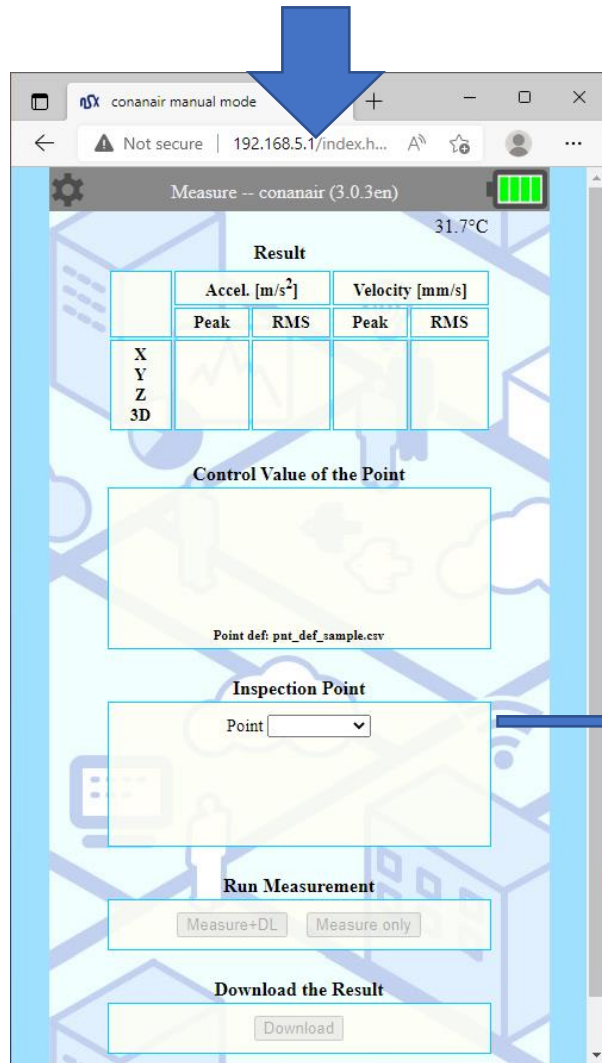


Select the file [CSV] and then upload



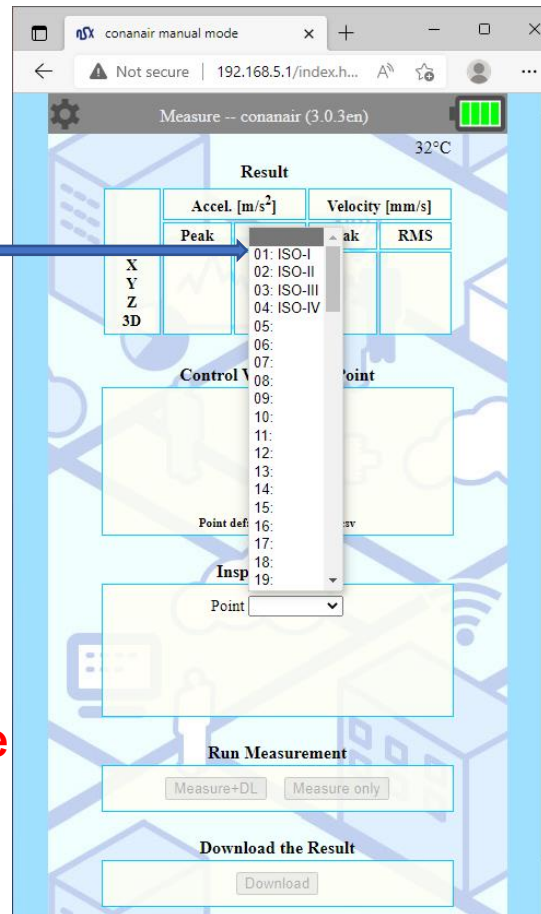
Click OK to complete

3-2. Connect to 192.168.5.1 with a browser

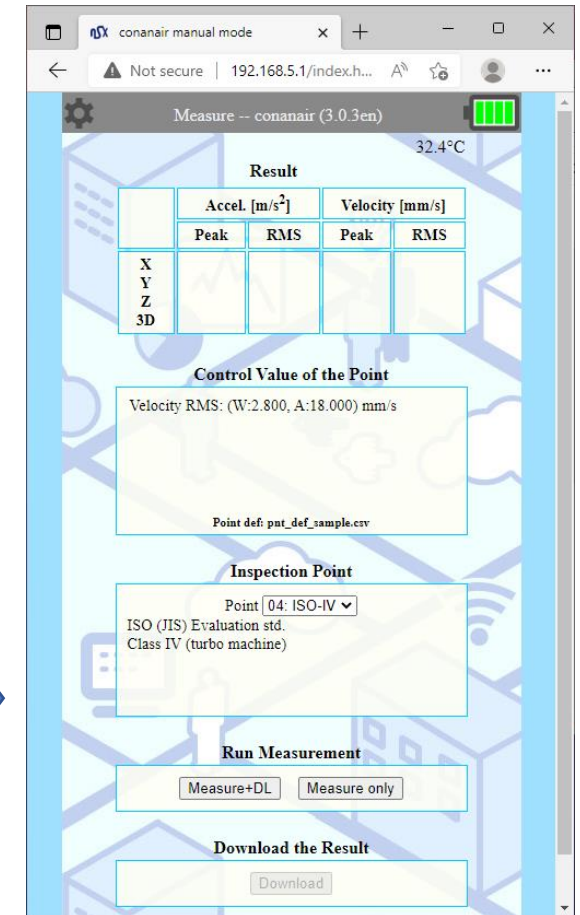


Select measurement point

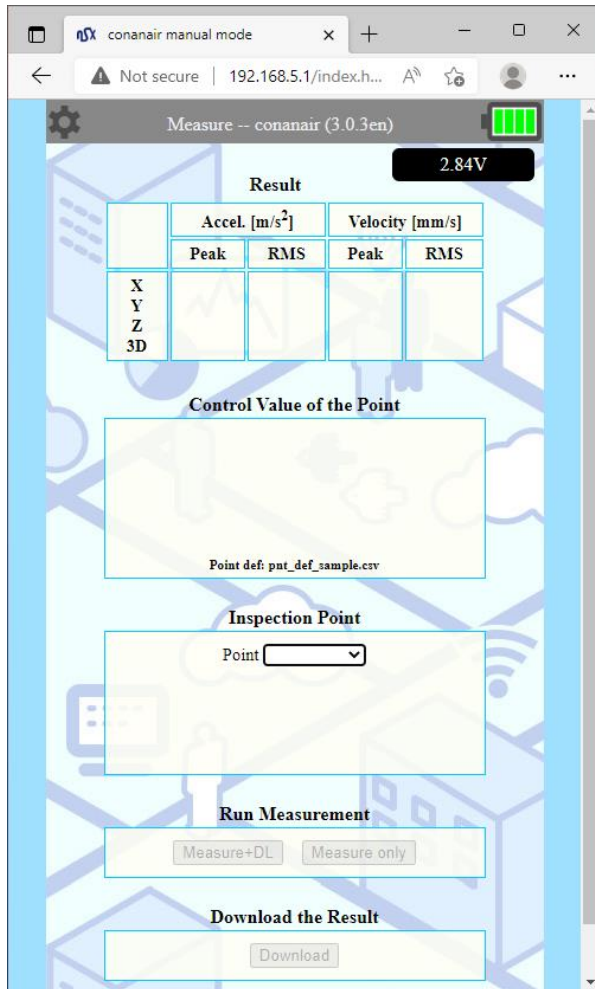
There is no definition file in the initial state. It cannot be measured without the definition file.



Selected points

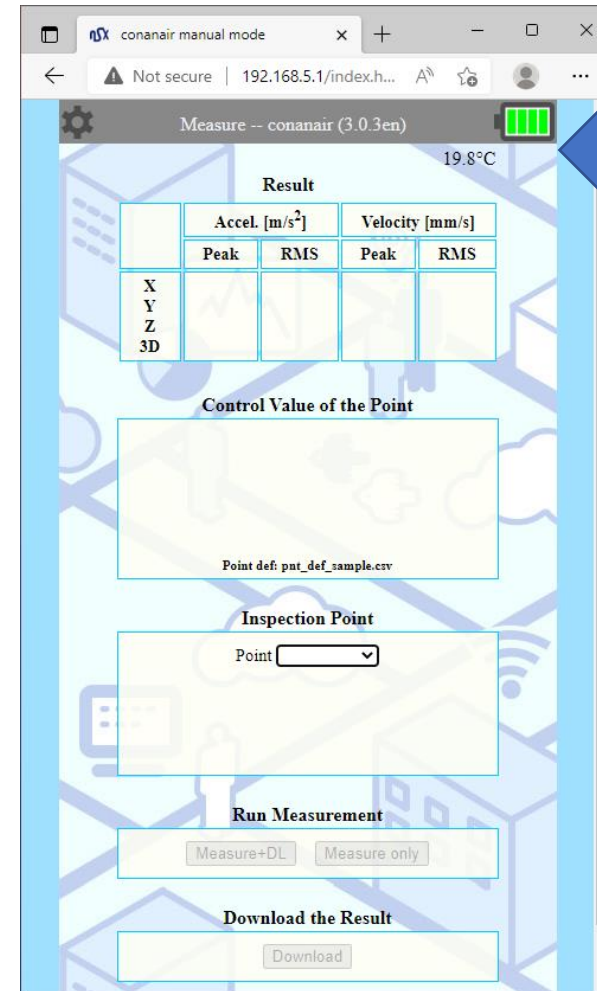


Battery display



← Battery display will be shown when you mouse over the temperature display.

Temperature display



← If the temperature is not supported, "---" is shown instead.

Measurement only(You can download it later)

10 seconds measurement

Measure -- conanair (3.0.3en)

23.1°C

	Accel. [m/s ²]		Velocity [mm/s]	
	Peak	RMS	Peak	RMS
X				
Y				
Z				
3D				

Control Value of the Point

Velocity RMS: (W:2.800, A:18.000) mm/s

Point def: pnt_def_sample.csv

Inspection Point

Point: 04: ISO-IV

ISO (JIS) Evaluation std.
Class IV (turbo machine)

Run Measurement

Measure+DL Measure only

Download the Result

Download

Measurement only

Measure -- conanair (3.0.3en)

23.3°C

	Accel. [m/s ²]		Velocity [mm/s]	
	Peak	RMS	Peak	RMS
X				
Y				
Z				
3D				

Control Value of the Point

Velocity RMS: (W:2.800, A:18.000) mm/s

Point def: pnt_def_sample.csv

Inspection Point

Point: 04: ISO-IV

ISO (JIS) Evaluation std.
Class IV (turbo machine)

Run Measurement

Measure+DL Measure only

Download the Result

Download

The measurement result is displayed

Data can also be downloaded by clicking the download button

Measure -- conanair (3.0.3en)

23.6°C

	Accel. [m/s ²]		Velocity [mm/s]	
	Peak	RMS	Peak	RMS
X	1.165	0.099	0.824	0.123
Y	1.205	0.088	0.765	0.113
Z	1.336	0.151	0.905	0.192
3D	1.433	0.201	1.009	0.255

Control Value of the Point

Velocity RMS: (W:2.800, A:18.000) mm/s

Point def: pnt_def_sample.csv

Inspection Point

Point: 04: ISO-IV

ISO (JIS) Evaluation std.
Class IV (turbo machine)

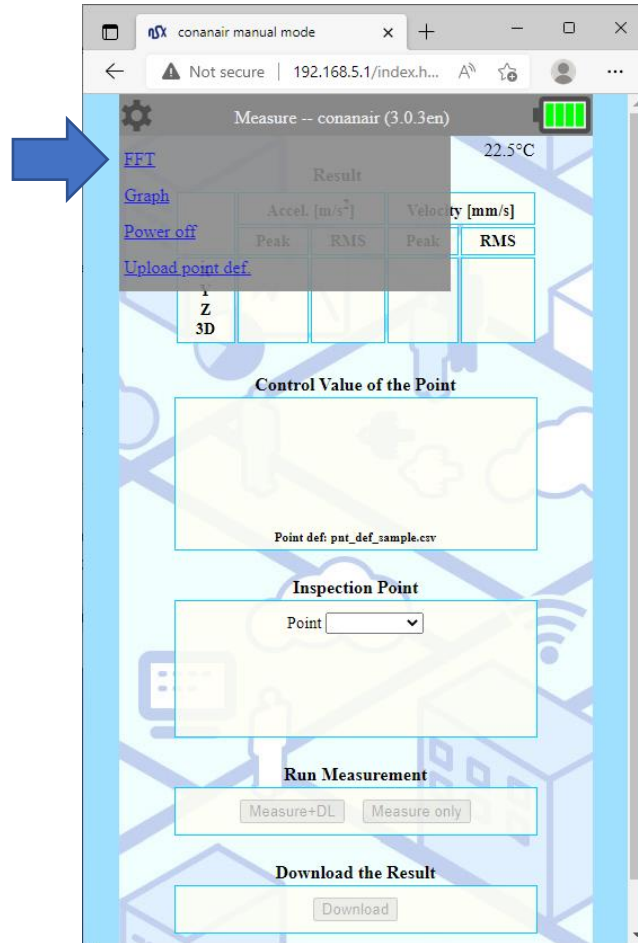
Run Measurement

Measure+DL Measure only

Download the Result

Download

FFT display



Select
FFT

FFT (Fast Fourier Transform)

Vertical axis

FFT@conanair

Help

Horizontal axis

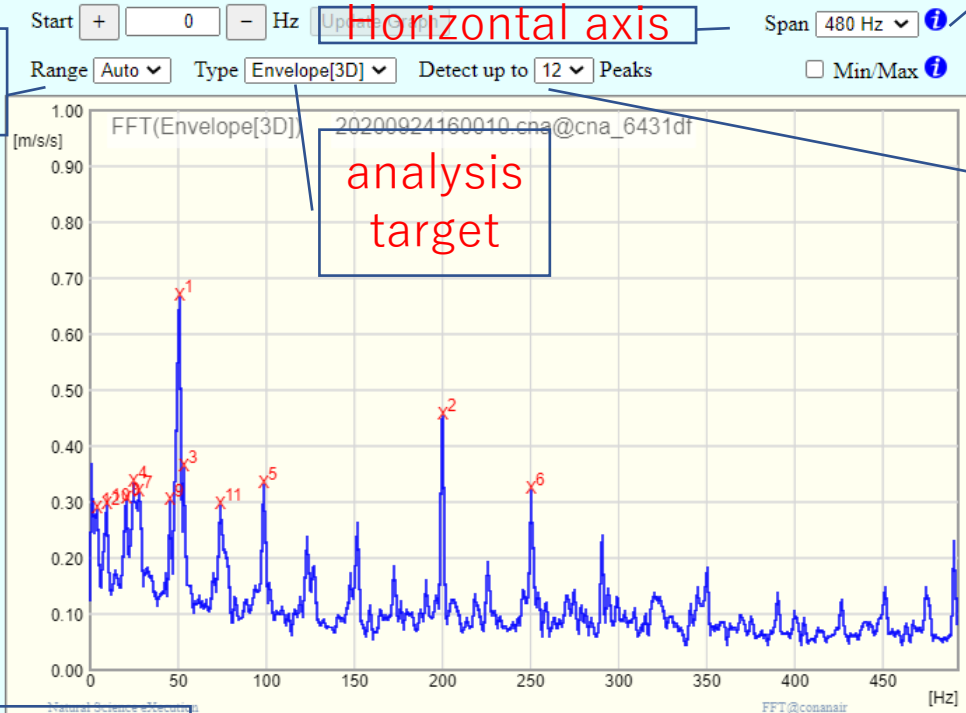
analysis target

Vibration peak TOP 12 points ON / OFF

Display of current measurement data

TOP 12 points

Select existing file



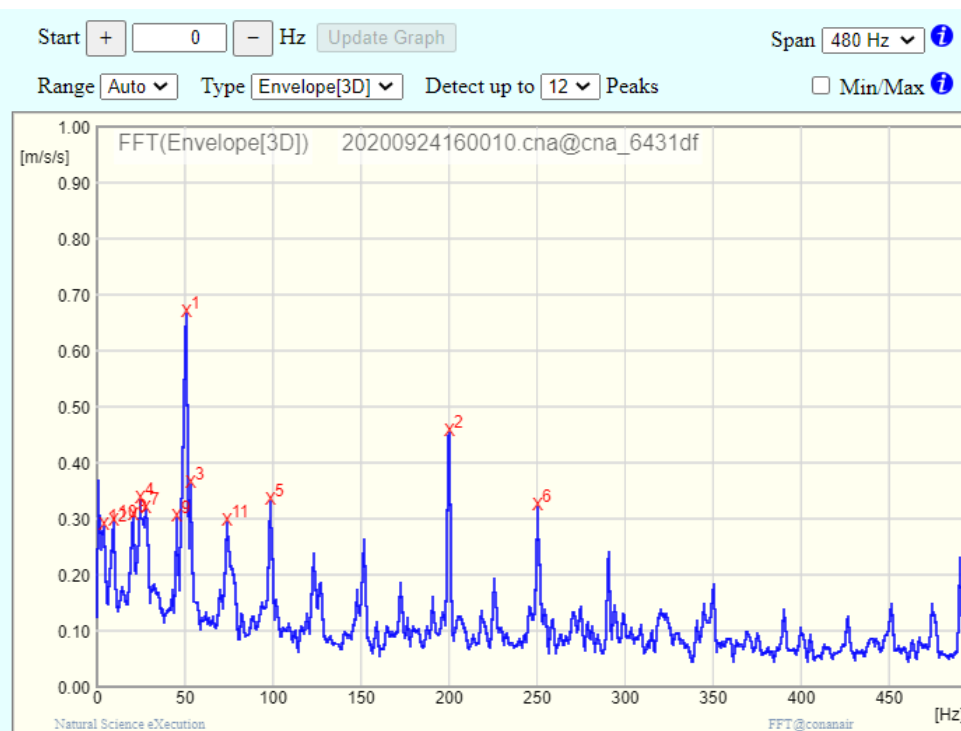
You can drag'n-drop a CSV or CNA file on the graph area above as well.

Dataset: Download last Measurement Pick a local File

File info: 20200924160010.cna
[cna_6431df, $F_{error} = -1.70\%$ (corrected)]

Top 12 Peaks between
1.590 Hz and 492.752 Hz

#	Frequency [Hz]	Intensity [m/s ²]		
		Min.	Ave.	Max.
1	50.865	0.177	0.670	1.258
2	200.280	0.345	0.455	0.588
3	53.249	0.079	0.364	0.645
4	24.638	0.087	0.337	0.636
5	98.550	0.080	0.334	0.595
6	250.350	0.070	0.324	0.551

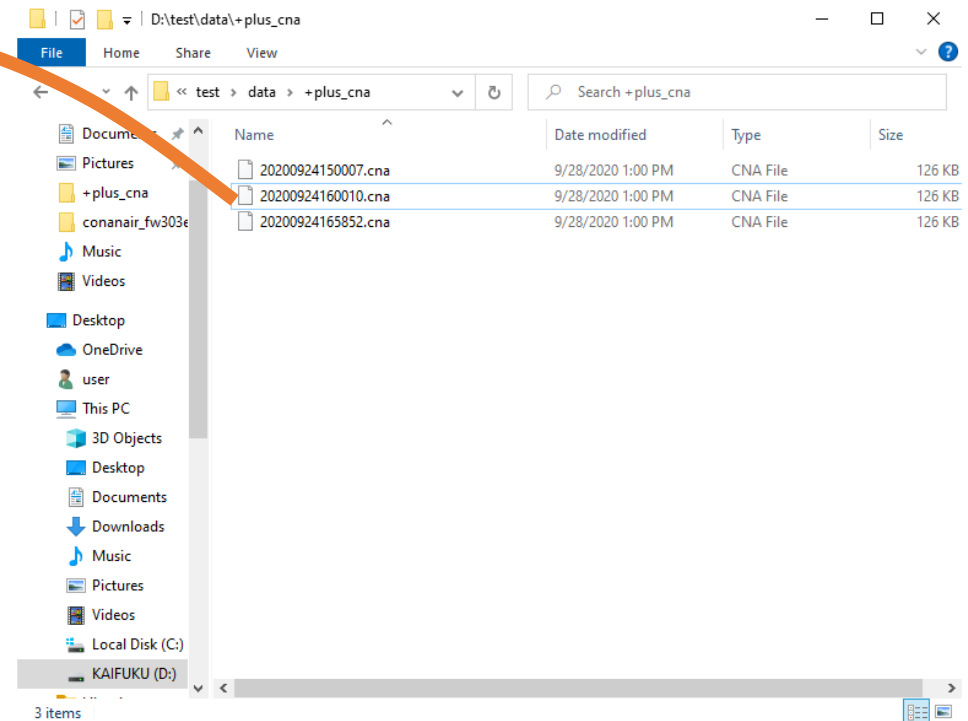
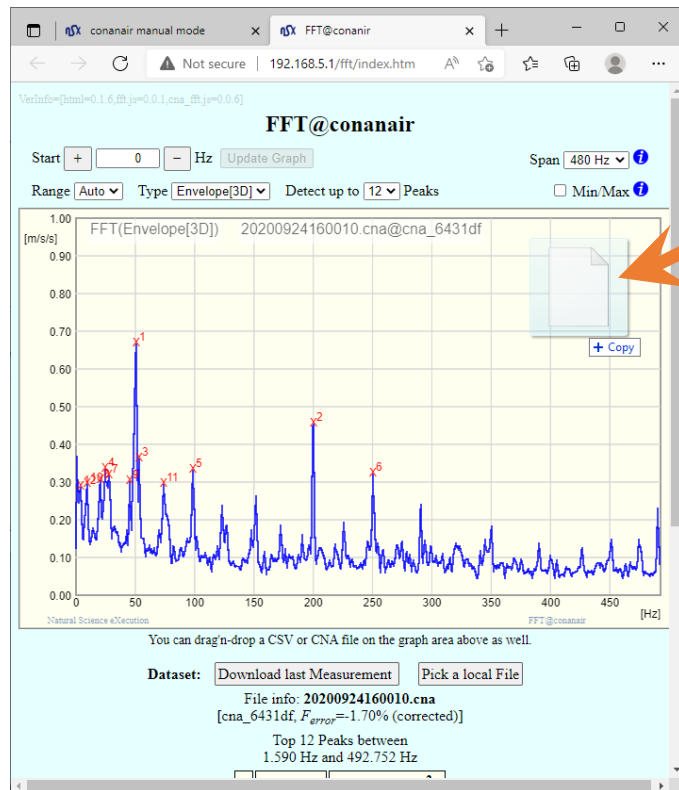


You can drag'n-drop a CSV or CNA file on the graph area above as well.

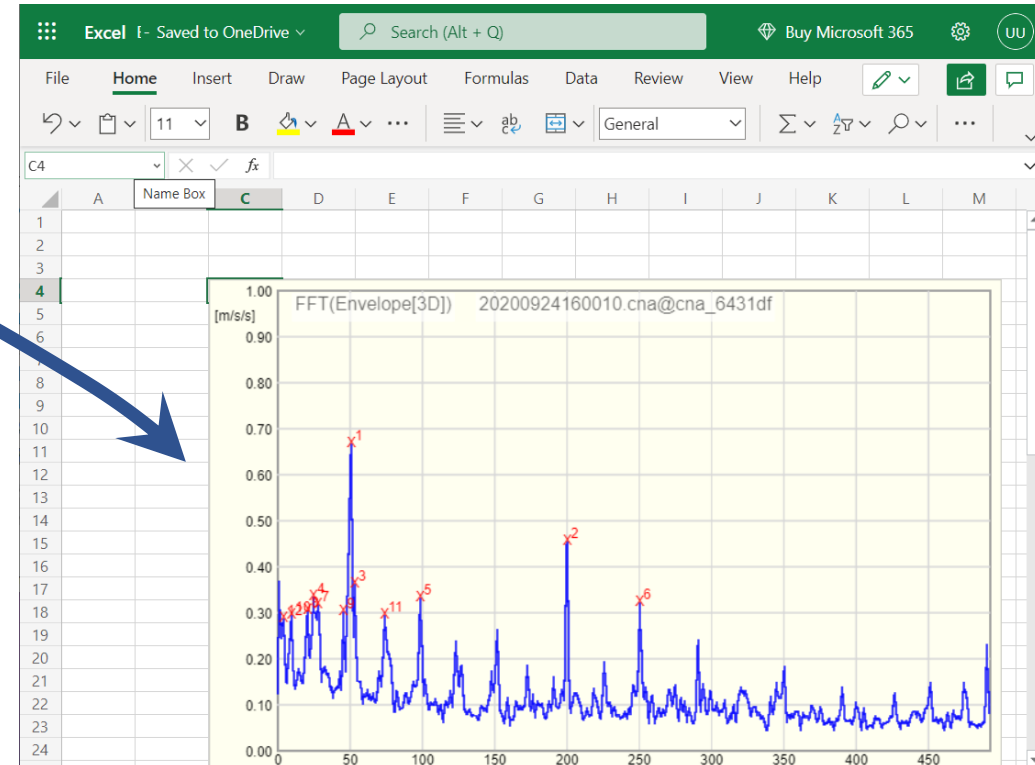
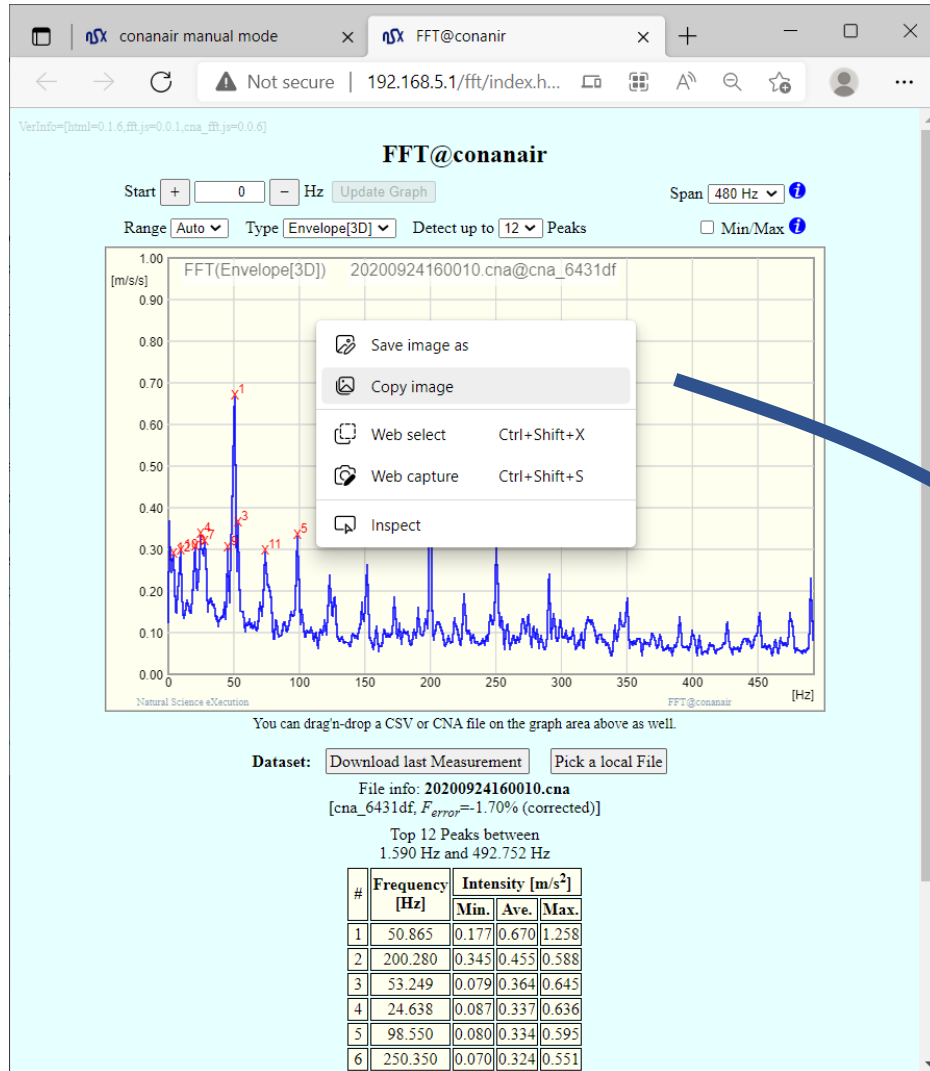
Dataset: Download last Measurement Pick a local File

File info: 20200924160010.cna

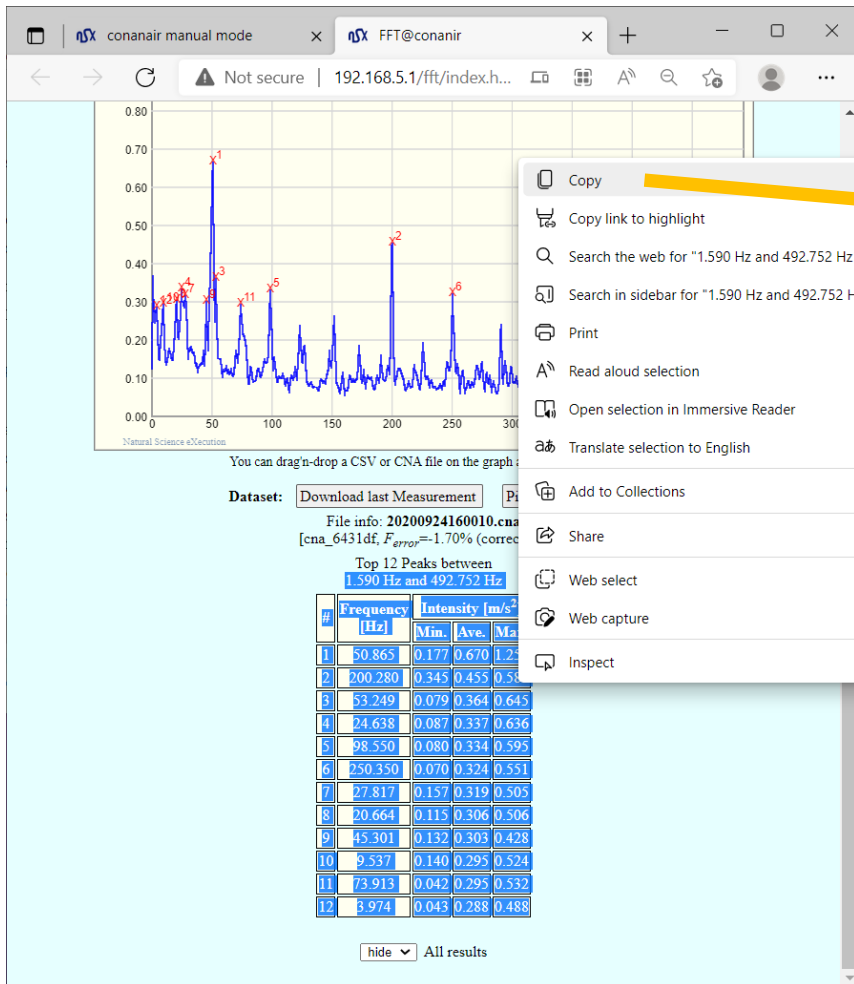
FFT display from an existing file by drag & drop



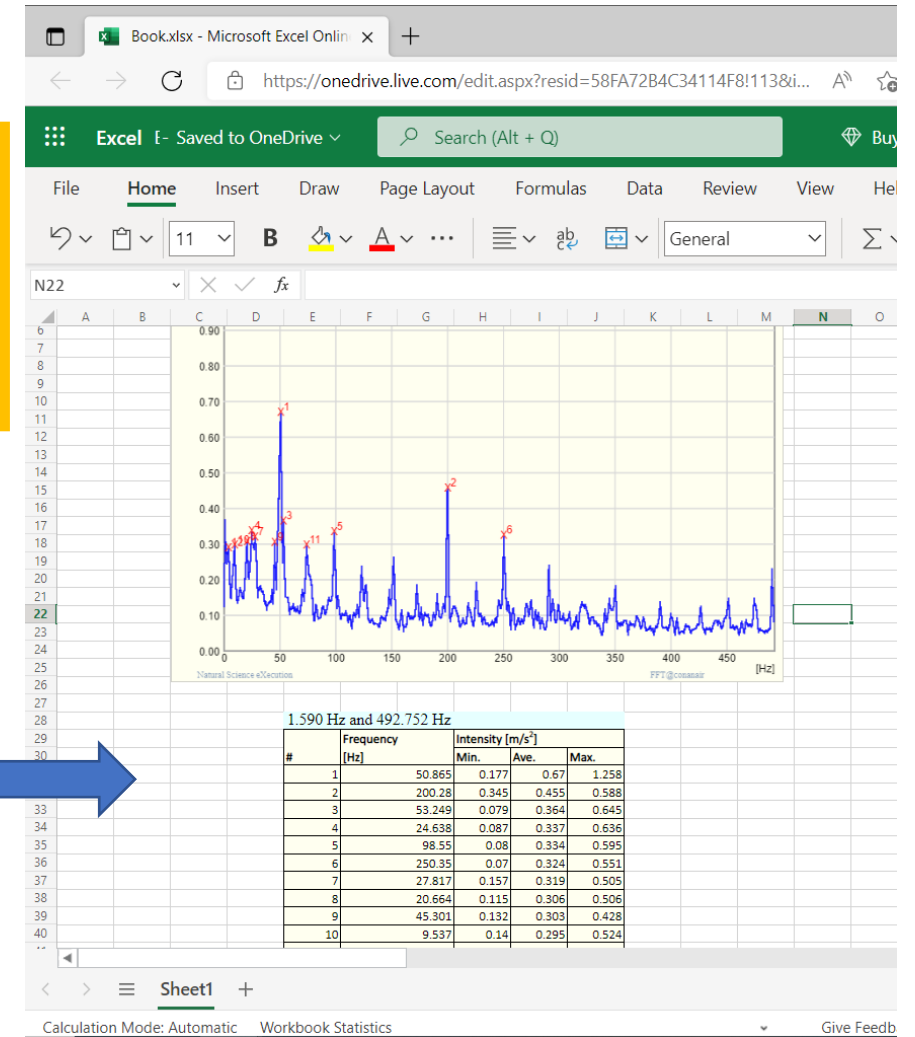
You can right-click on the graph → copy image → paste to Excel etc.



You can also copy the FFT result table (PEAK, all results) and use them as values in Excel.



Select a table and right-click the mouse to copy → Paste to Excel



Ra waveform Graph display

Velocity display

Acceleration display (including gravity)

Select Graph

Measure -- conanair (3.0.3en) 24.1°C

FFT
Graph
Power off
Upload point def.

	Accel. [m/s ²]		Velocity [mm/s]	
	Peak	RMS	Peak	RMS
X	1.165	0.099	0.824	0.123
Y	1.205	0.088	0.765	0.113
Z	1.336	0.151	0.905	0.192
3D	1.433	0.201	1.009	0.255

Control Value of the Point

Velocity RMS: (W:2.800, A:18.000) mm/s

Point def: pnt_def_sample.csv

Inspection Point

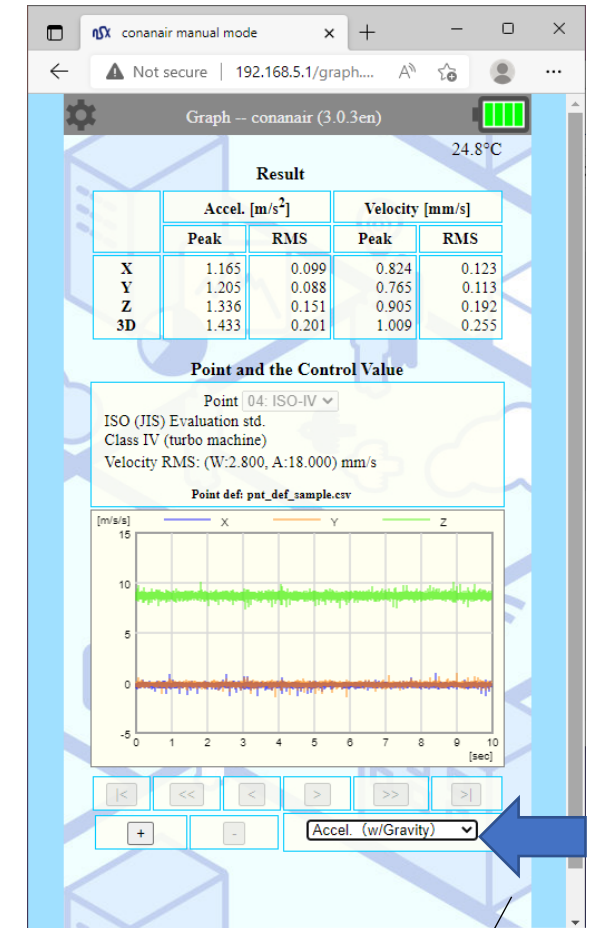
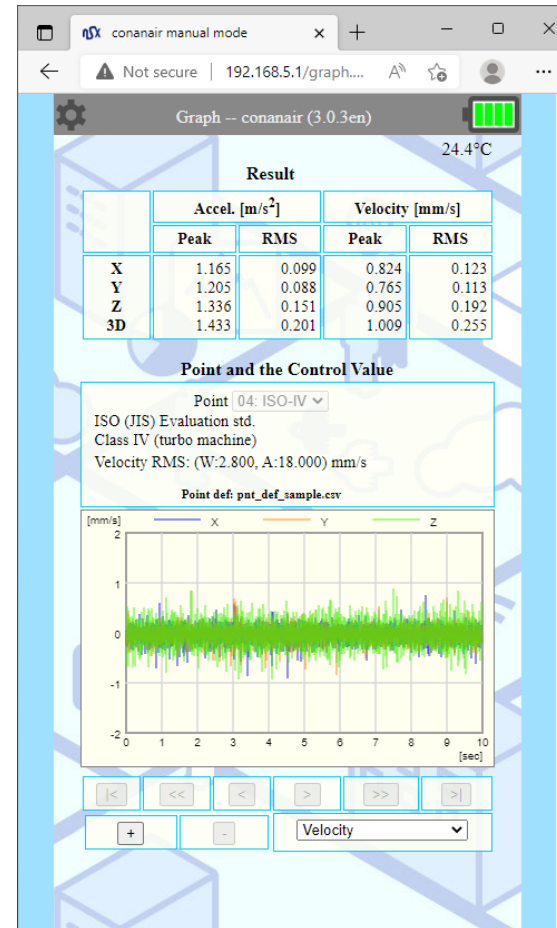
Point 04: ISO-IV
ISO (JIS) Evaluation std.
Class IV (turbo machine)

Run Measurement

Measure+DL Measure only

Download the Result

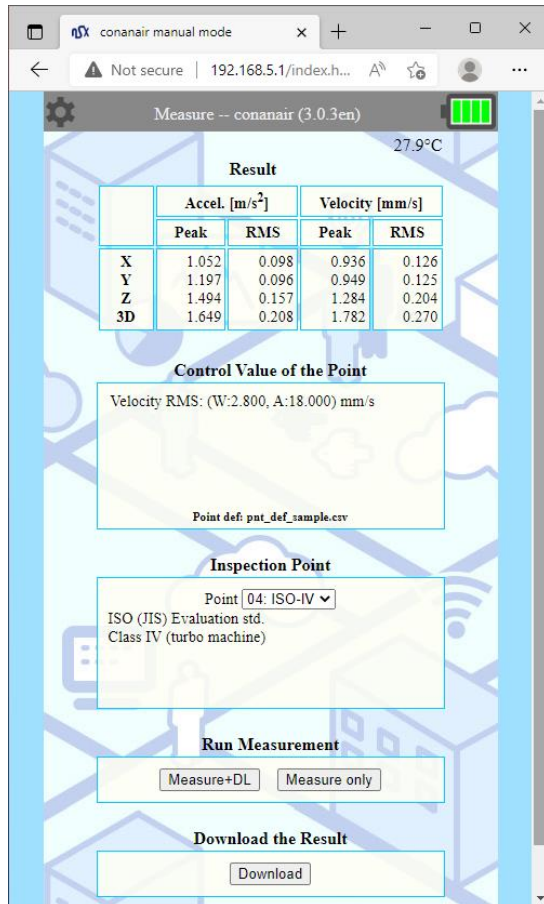
Download



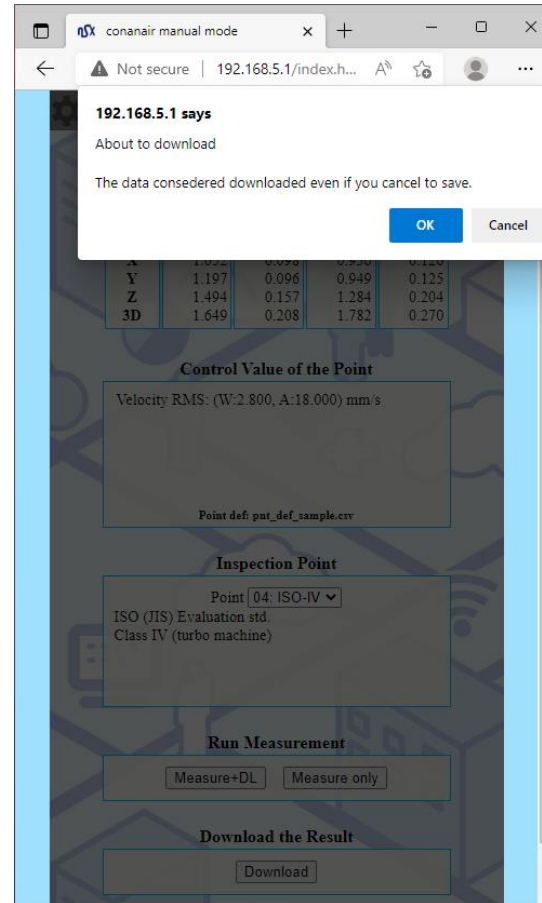
Select data source

Download

(File is in a dedicated format → You can convert it to CSV with a computer application and use it.)



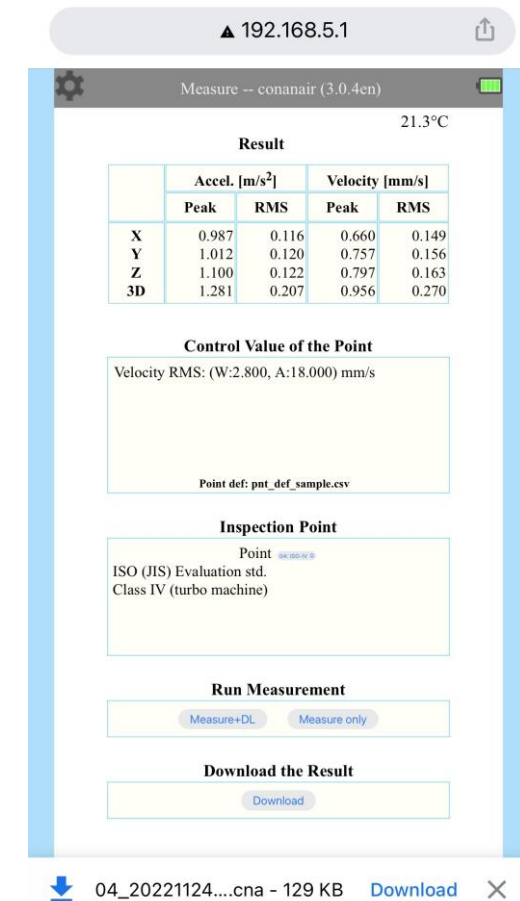
Re-download



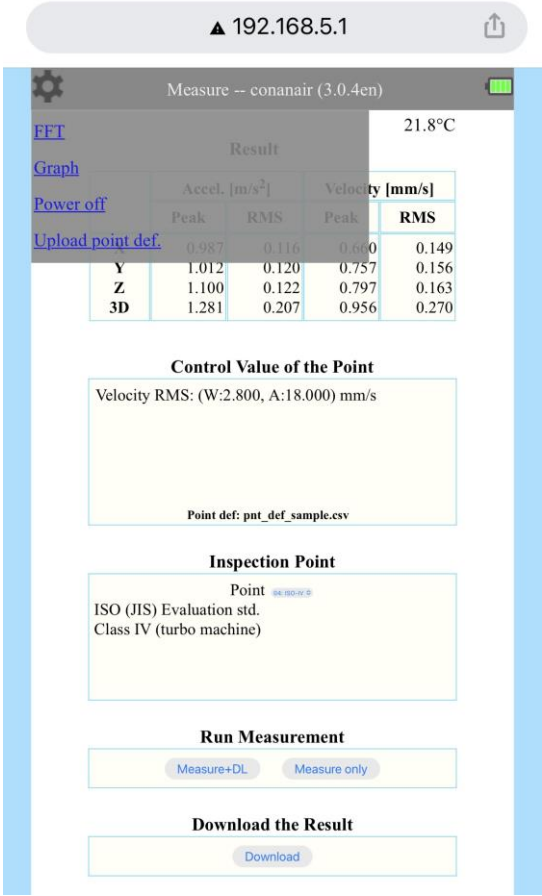

Save

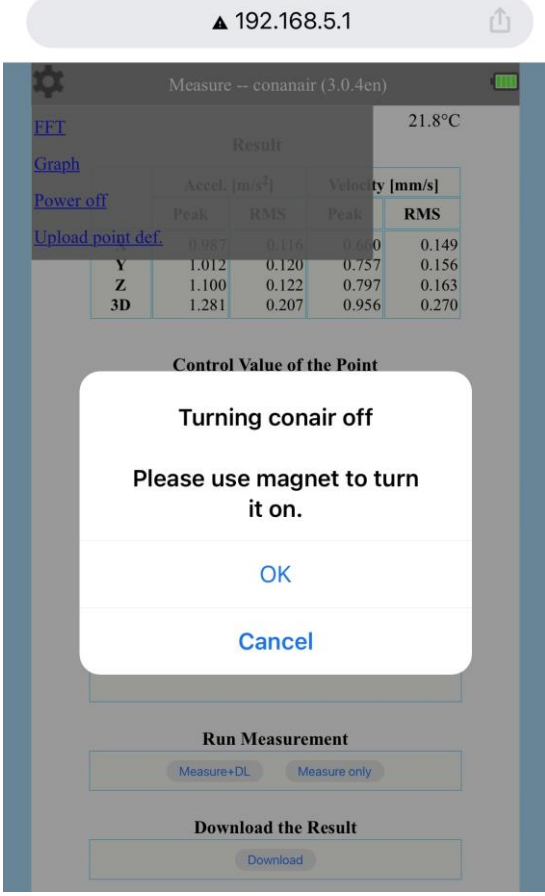
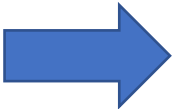


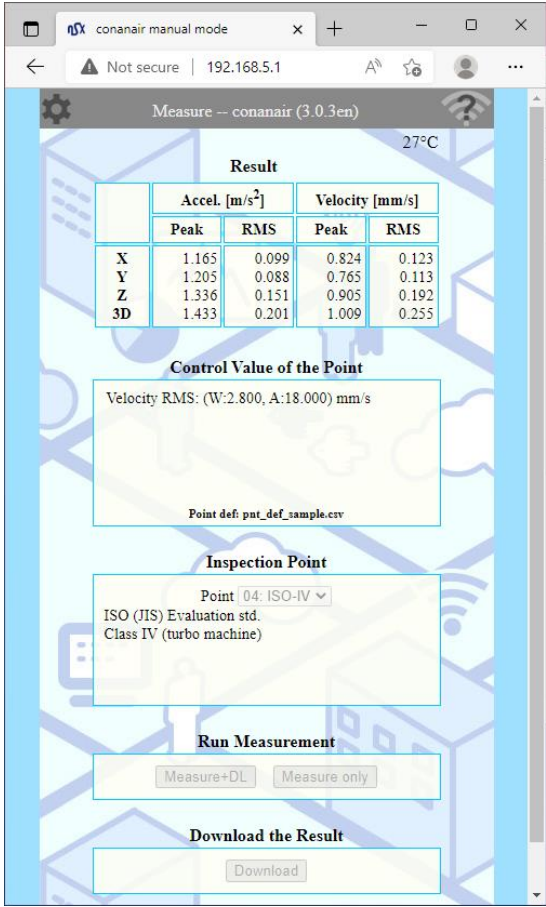
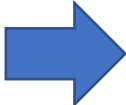
To download folder



Shut-Down Power off (automatic shutdown if there is no WiFi connection for 2 minutes)







Become unconnected