

Measurements

May 6, 2022

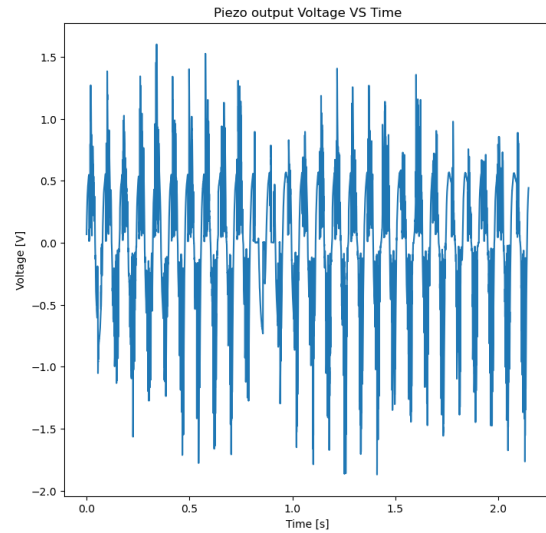
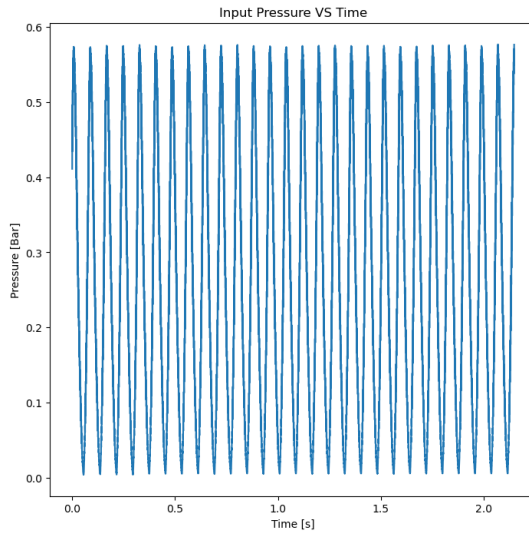
1 PARAMETERS

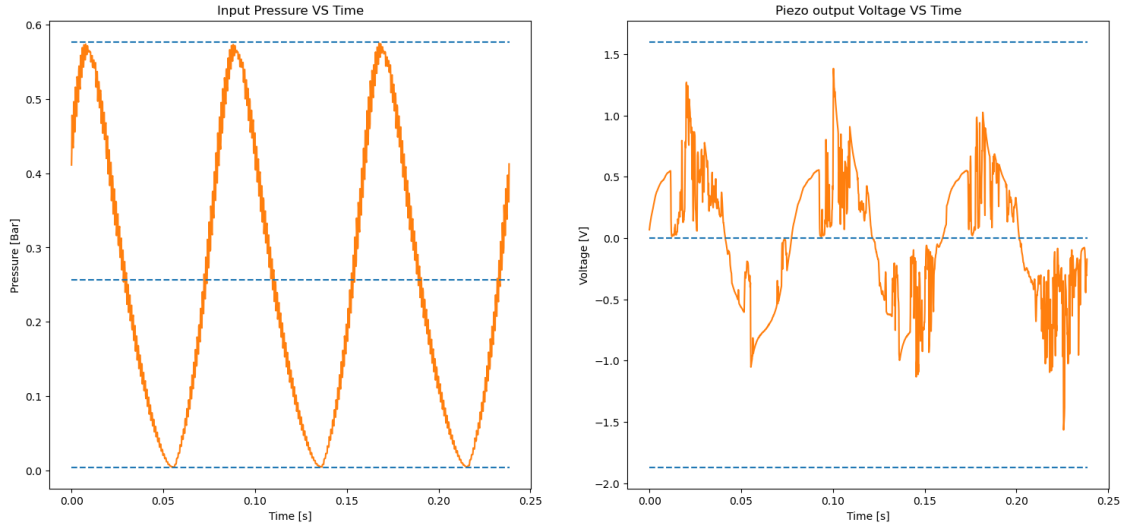
Sample name: AB-211206-085-ZNO

	Parameter	Value	Unit
0	Sample name	AB-211206-085-ZNO	
1	Measure duration	2.147483648	[s]
2	Rload	1000000.0	[Ohms]
3	Nb Periods	3.0	[1]
4	R Circuit	1.0	[Ohms]
5	Max Frequency	1000.0	[Hz]

2 PRESSURE AND VOLTAGE MEASUREMENTS

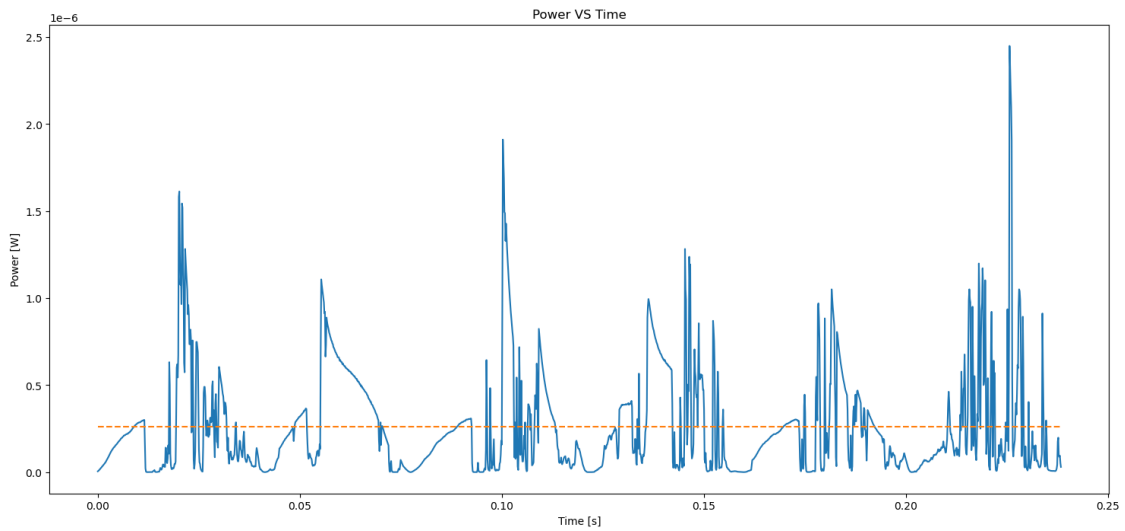
The input frequency is: 12.57 Hz





	Variable	Min	Max	Peak to peak	Mean	Mean of absolute value
0	Pressure [Bar]	4.55e-03	5.76e-01	5.72e-01	2.56e-01	2.56e-01
1	Voltage [V]	-1.87e+00	1.60e+00	3.47e+00	-3.61e-04	4.11e-01

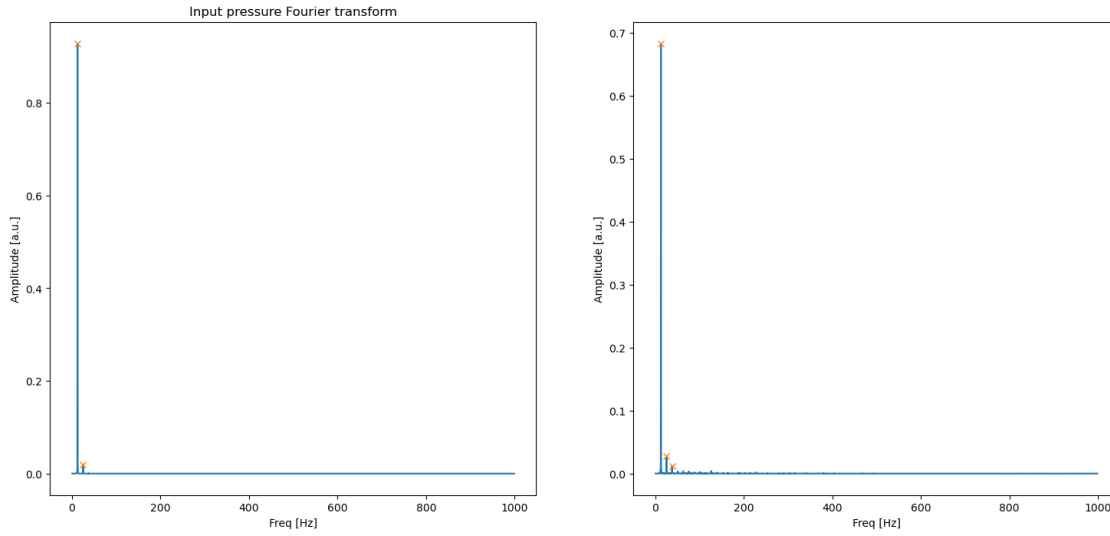
3 POWER



Mean power: 2.59e-07 [W]

4 FREQUENCY ANALYSIS

If an harmonic appears in the pressure Fourier transform. The piston has to be set to atmospheric pressure.



4.1 Voltage frequency peaks

	Freq [Hz]	Amplitude percentage
0	12.57	68.36
1	25.15	2.76
2	37.72	1.21

4.2 Pressure frequency peaks

	Freq [Hz]	Amplitude percentage
0	12.57	92.86
1	25.15	1.90