

Measurements

May 6, 2022

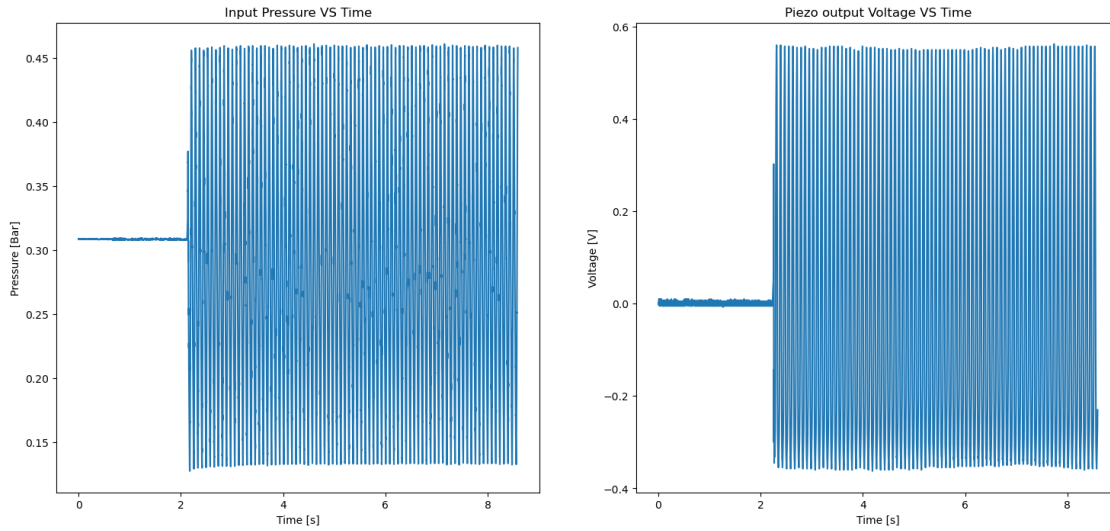
1 PARAMETERS

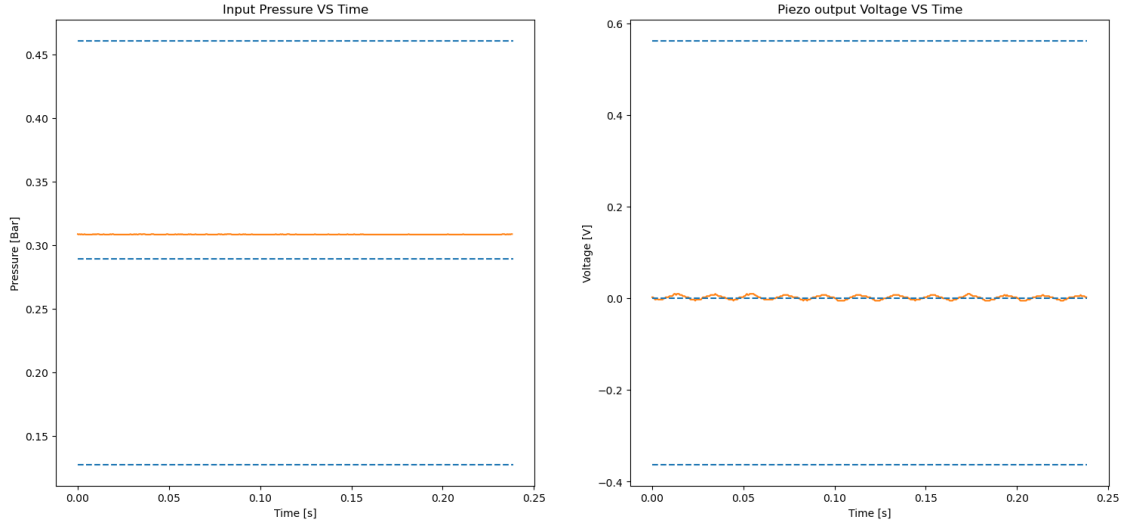
Sample name: AB-211206-085-ZNO

	Parameter	Value	Unit
0	Sample name	AB-211206-085-ZNO	
1	Measure duration	8.589934592	[s]
2	Rload	1000000.0	[Ohms]
3	Nb Periods	3.0	[1]
4	R Circuit	1.0	[Ohms]
5	Max Frequency	164.0	[Hz]

2 PRESSURE AND VOLTAGE MEASUREMENTS

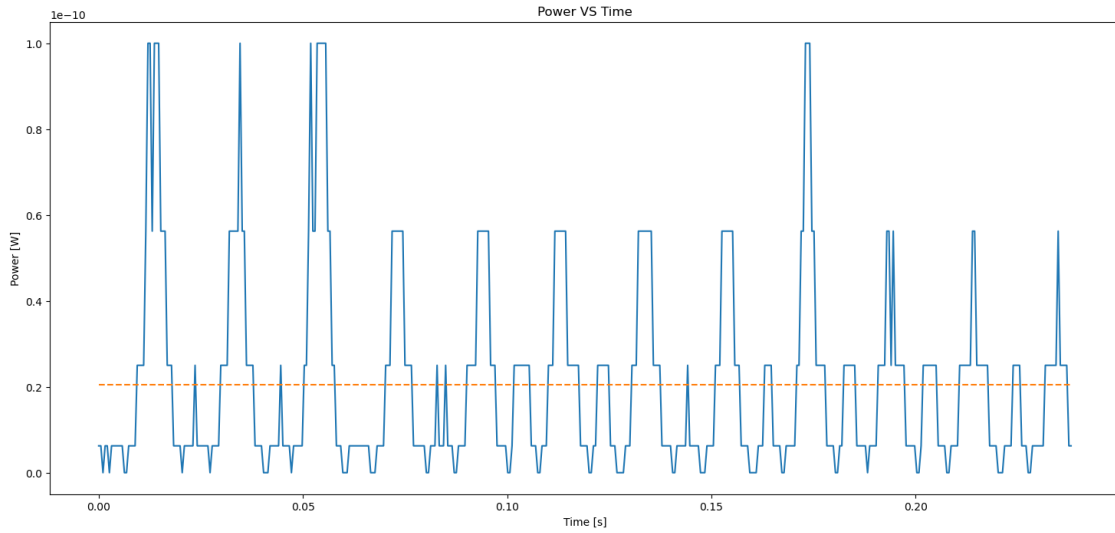
The input frequency is: 12.57 Hz





	Variable	Min	Max	Peak to peak	Mean	Mean of absolute value
0	Pressure [Bar]	1.28e-01	4.61e-01	3.33e-01	2.89e-01	2.89e-01
1	Voltage [V]	-3.62e-01	5.62e-01	9.25e-01	6.16e-04	2.33e-01

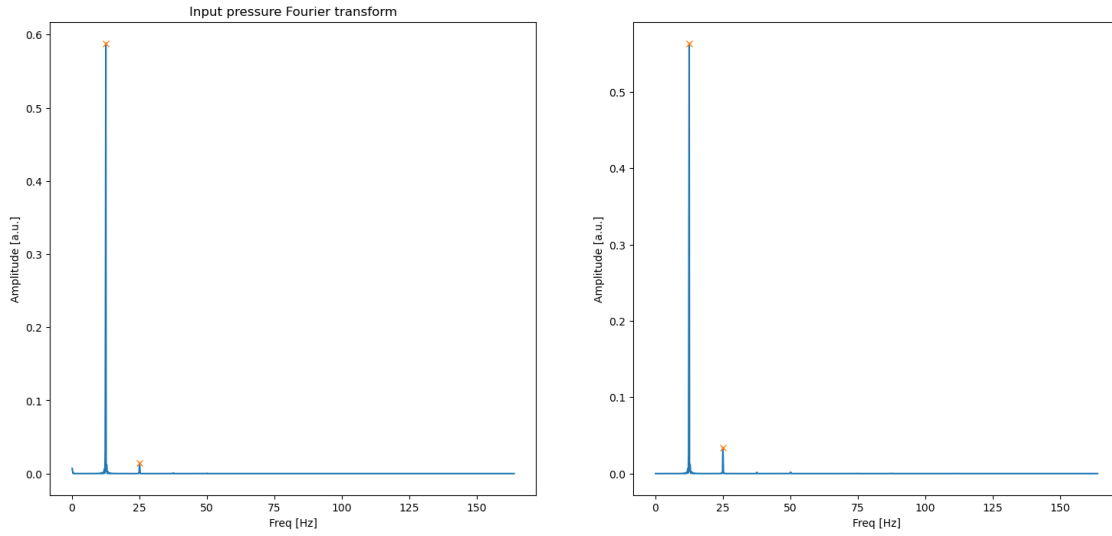
3 POWER



Mean power: 2.05e-11 [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	56.36
1	25.03	3.42

4.2 Pressure frequency peaks

	Freq [Hz]	Amplitude percentage
0	12.57	58.80
1	25.03	1.46