

Measurements

May 6, 2022

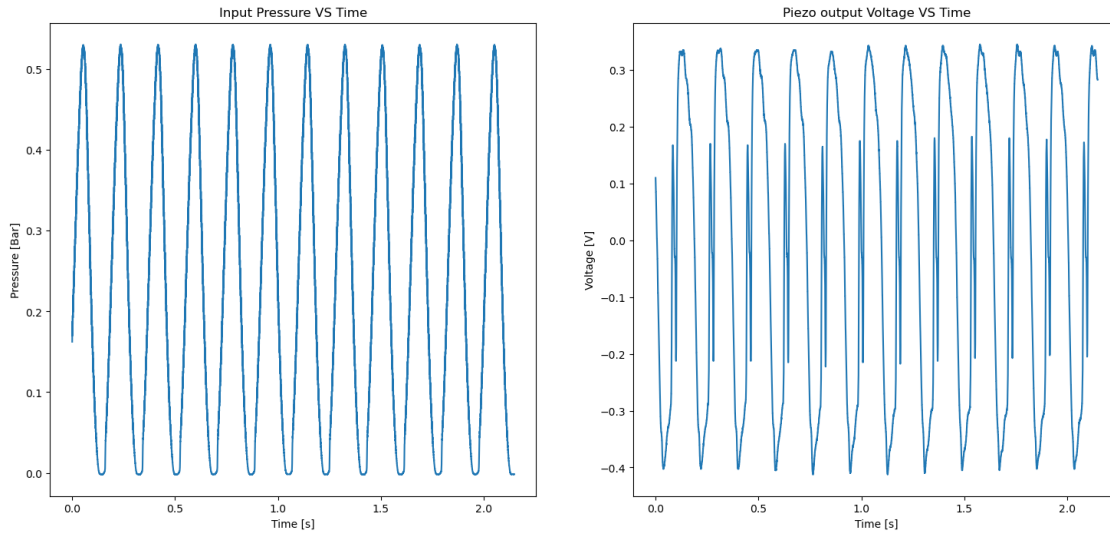
1 PARAMETERS

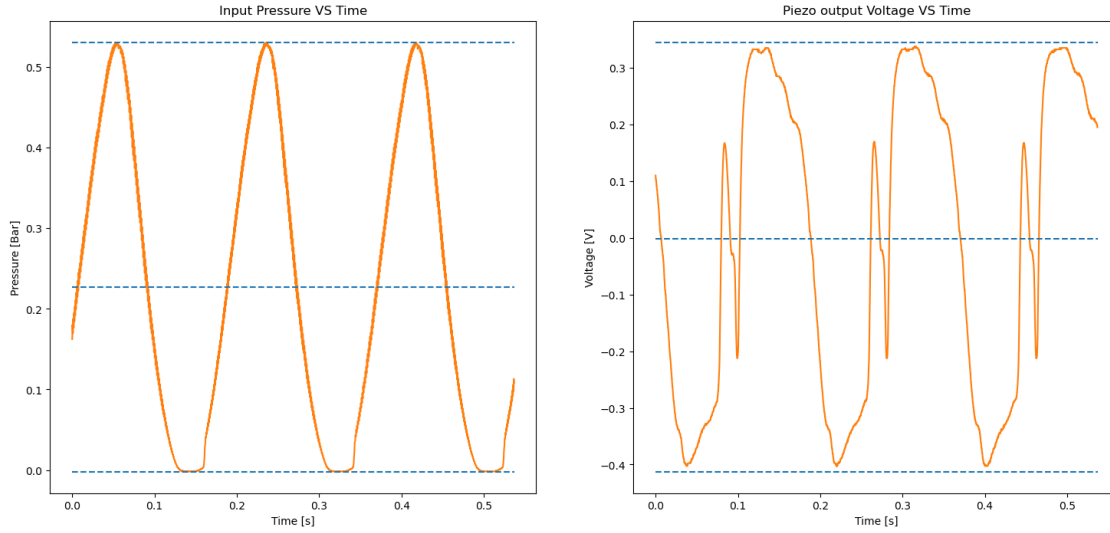
Sample name: AB-211206-085-ZNO

	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	164.0	[Hz]

2 PRESSURE AND VOLTAGE MEASUREMENTS

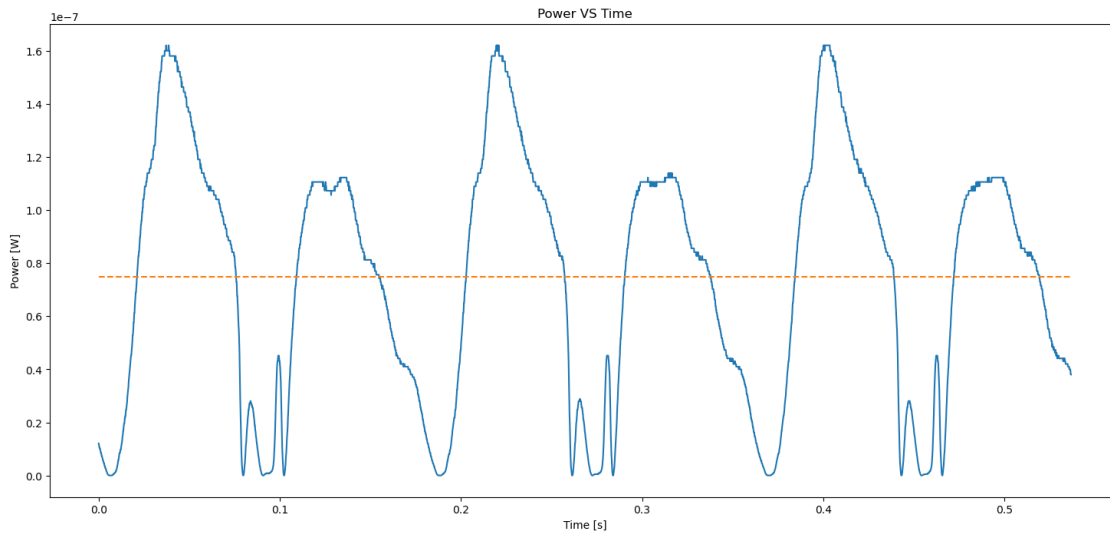
The input frequency is: 5.59 Hz





	Variable	Min	Max	Peak to peak	Mean	Mean of absolute value
0	Pressure [Bar]	-2.10e-03	5.31e-01	5.33e-01	2.27e-01	2.28e-01
1	Voltage [V]	-4.12e-01	3.45e-01	7.57e-01	-1.49e-03	2.50e-01

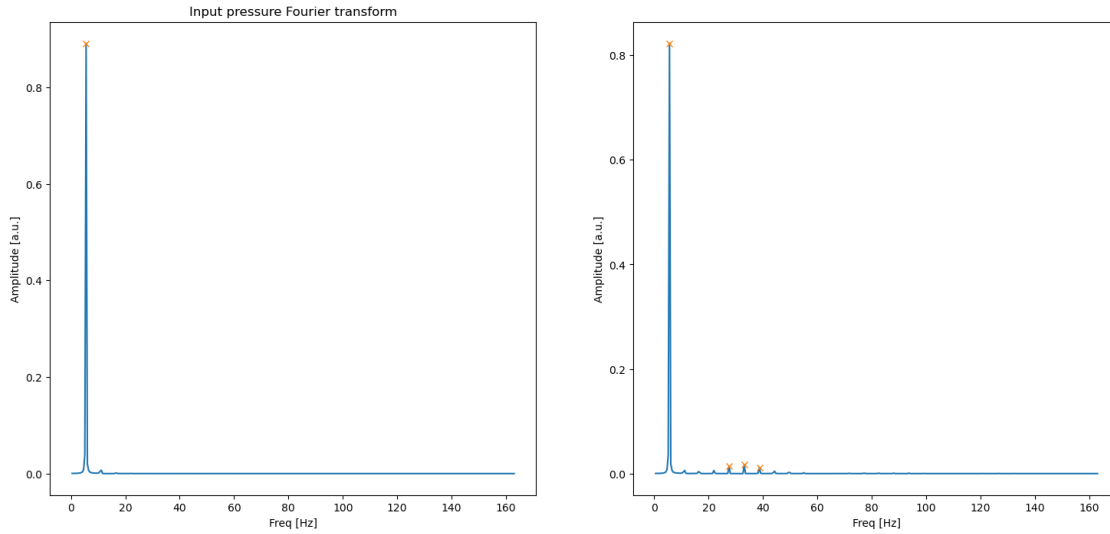
3 POWER



Mean power: 7.48e-08 [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	5.59	82.28
1	27.48	1.37
2	33.06	1.69
3	38.65	1.11

4.2 Pressure frequency peaks

	Freq [Hz]	Amplitude percentage
0	5.59	89.12