

Measurements

May 6, 2022

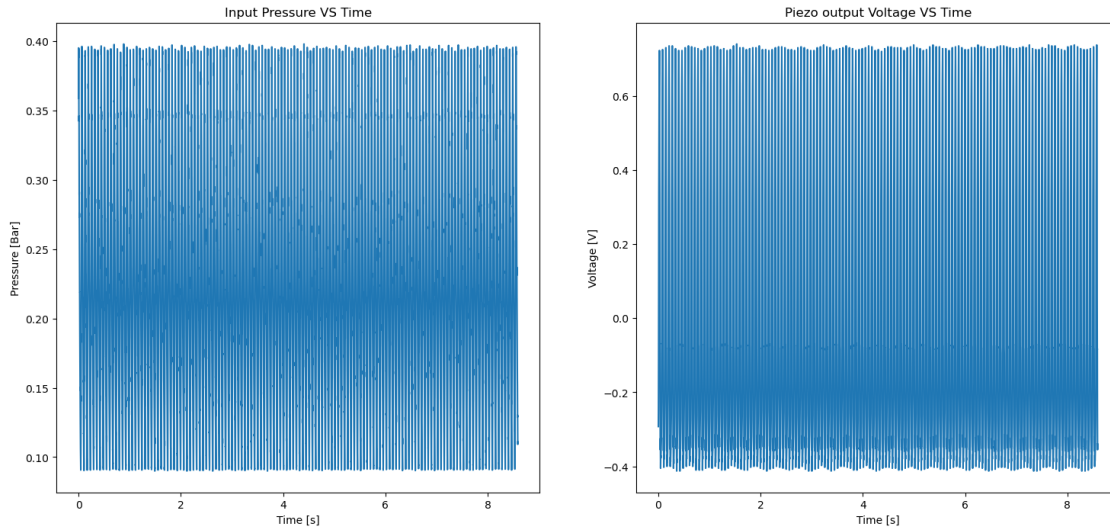
1 PARAMETERS

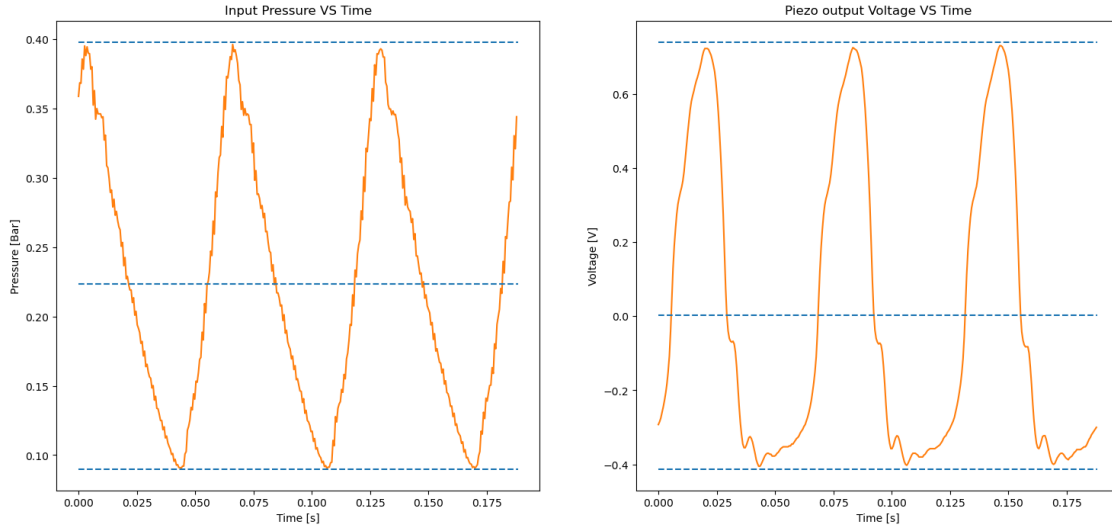
Sample name: AB-211206-085-ZNO

	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

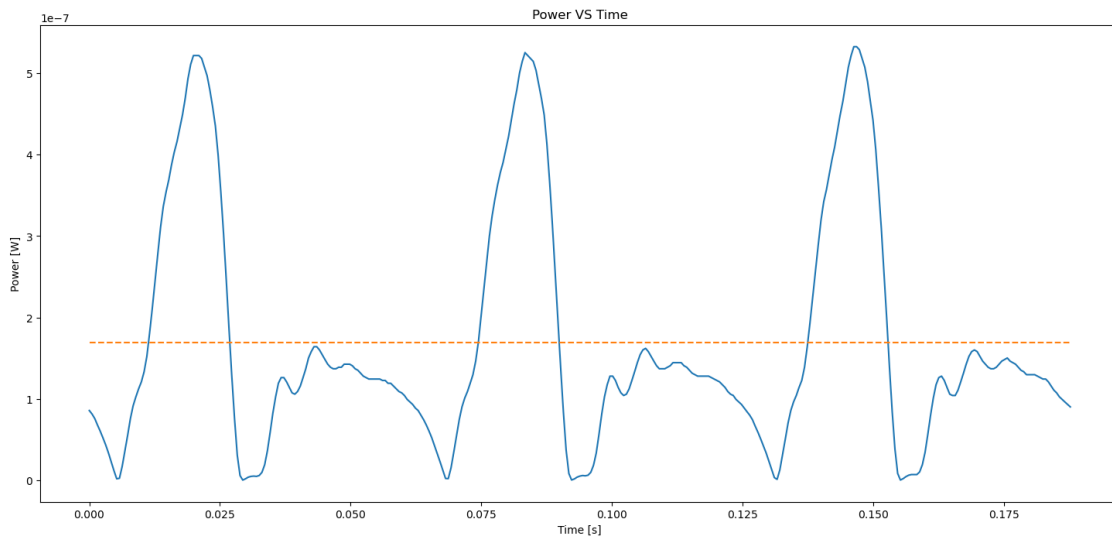
The input frequency is: 15.95 Hz





	Variable	Min	Max	Peak to peak	Mean	Mean of absolute value
0	Pressure [Bar]	8.99e-02	3.98e-01	3.08e-01	2.23e-01	2.23e-01
1	Voltage [V]	-4.12e-01	7.40e-01	1.15e+00	3.26e-03	3.71e-01

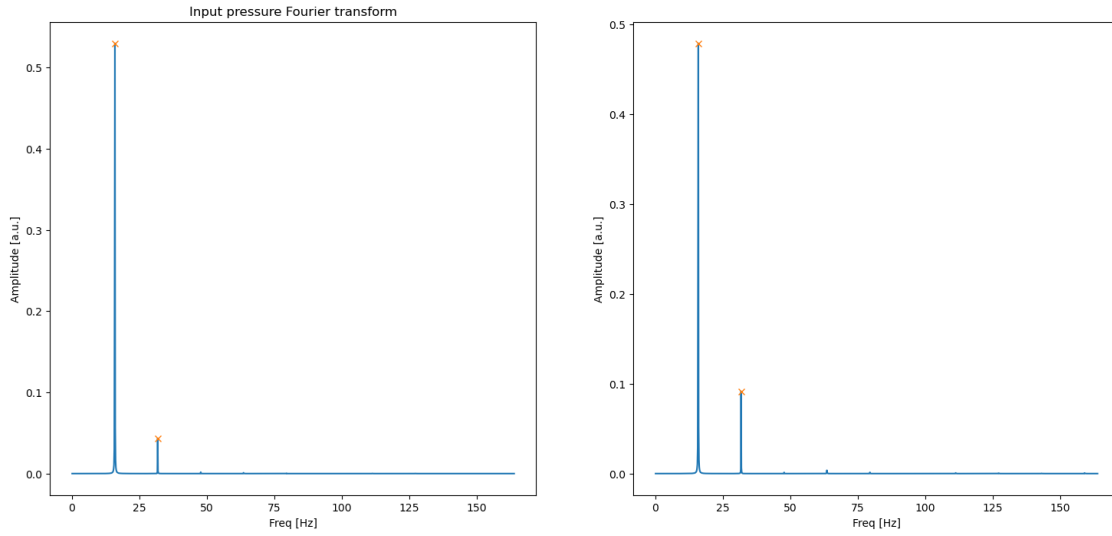
3 POWER



Mean power: 1.69e-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	15.95	47.87
1	31.78	9.15

4.2 Pressure frequency peaks

	Freq [Hz]	Amplitude percentage
0	15.95	52.97
1	31.78	4.31