

# Measurements

May 6, 2022

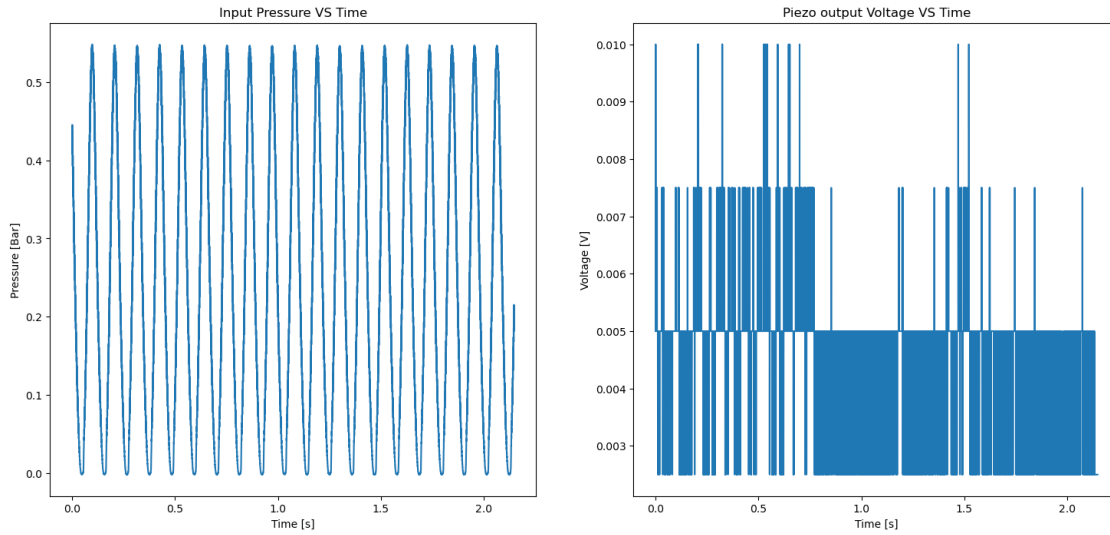
## 1 PARAMETERS

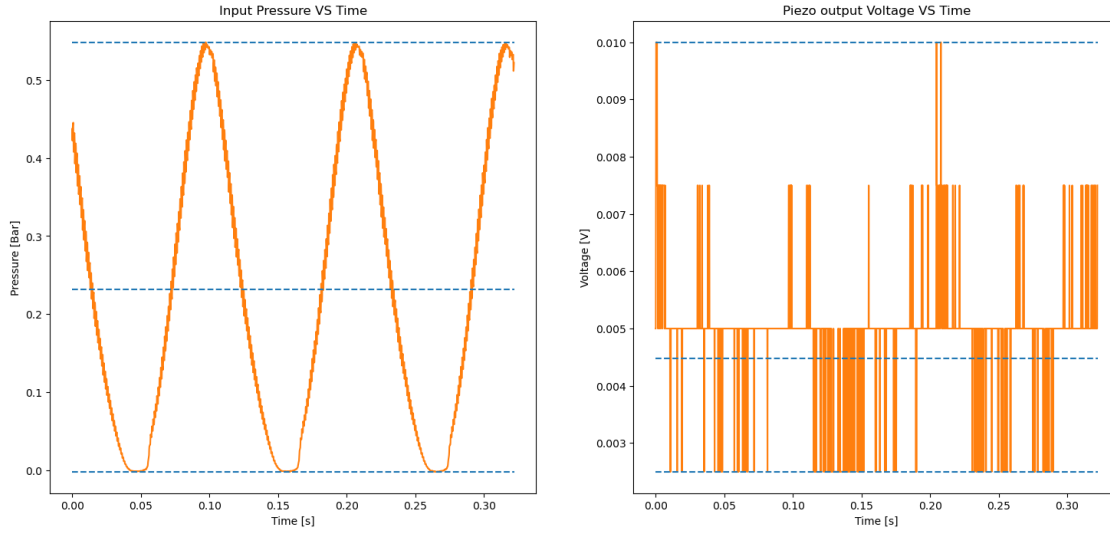
Sample name: AB-211206-085-ZNO

	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

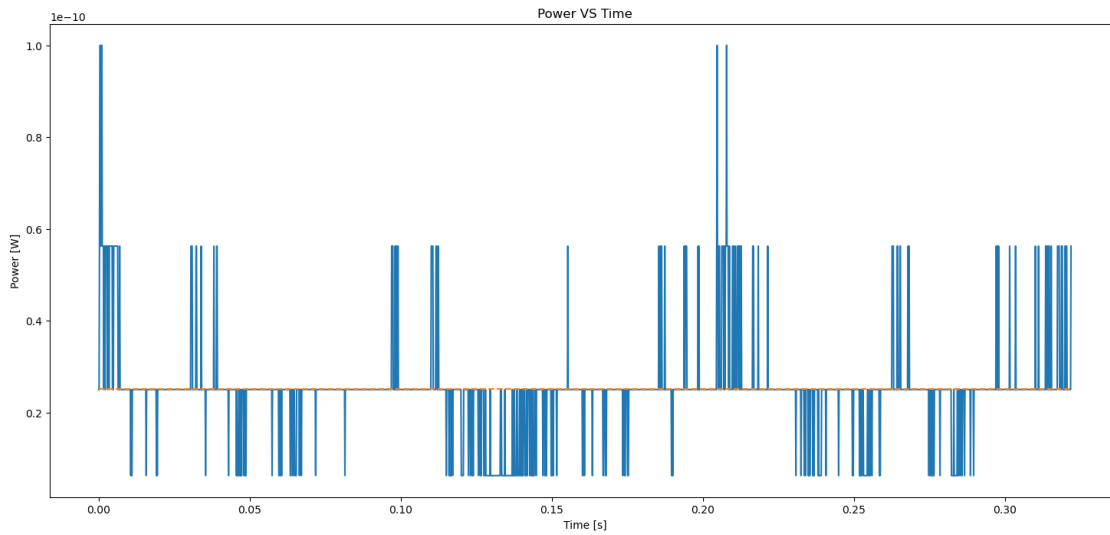
The input frequency is: 9.31 Hz





	Variable	Min	Max	Peak to peak	Mean	Mean of absolute value
0	Pressure [Bar]	-1.75e-03	5.48e-01	5.50e-01	2.32e-01	2.32e-01
1	Voltage [V]	2.50e-03	1.00e-02	7.50e-03	4.48e-03	4.48e-03

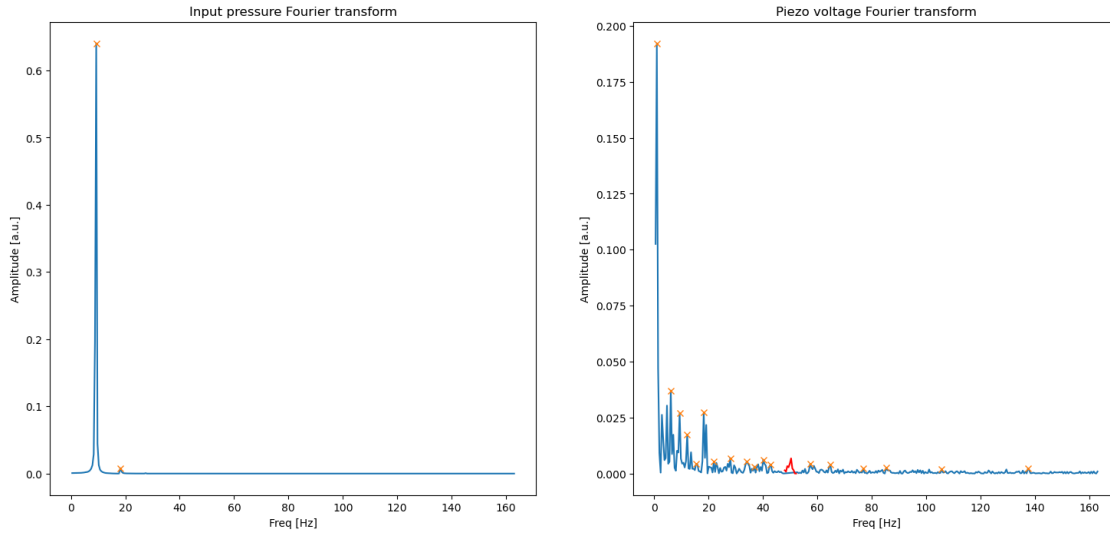
### 3 POWER



Mean power: 2.51e-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	0.93	19.22
1	6.05	3.71
2	9.31	2.70
3	12.11	1.74
4	15.37	0.43
5	18.16	2.72
6	21.89	0.53
7	27.94	0.69
8	34.00	0.55
9	36.79	0.31
10	40.05	0.62
11	42.84	0.41
12	57.28	0.42
13	64.73	0.39
14	76.84	0.22
15	85.22	0.25
16	105.71	0.21
17	137.38	0.21

## 4.2 Pressure frequency peaks

	Freq [Hz]	Amplitude percentage
0	9.31	64.04
1	18.16	0.81