

# Measurements

May 6, 2022

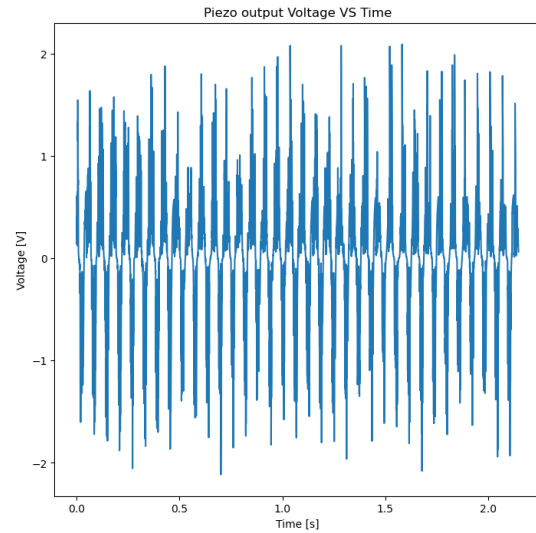
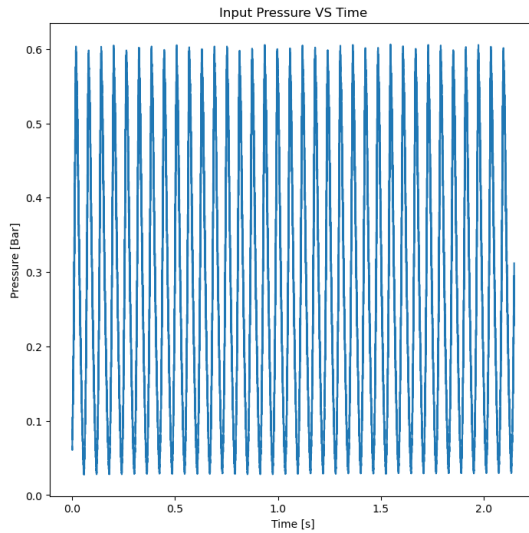
## 1 PARAMETERS

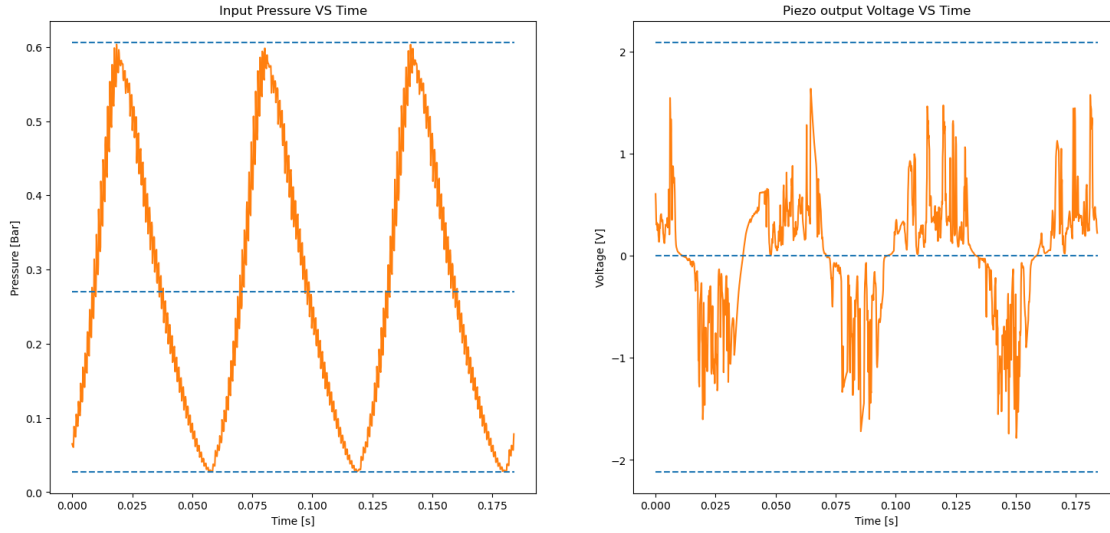
Sample name: AB-211206-085-ZNO

	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

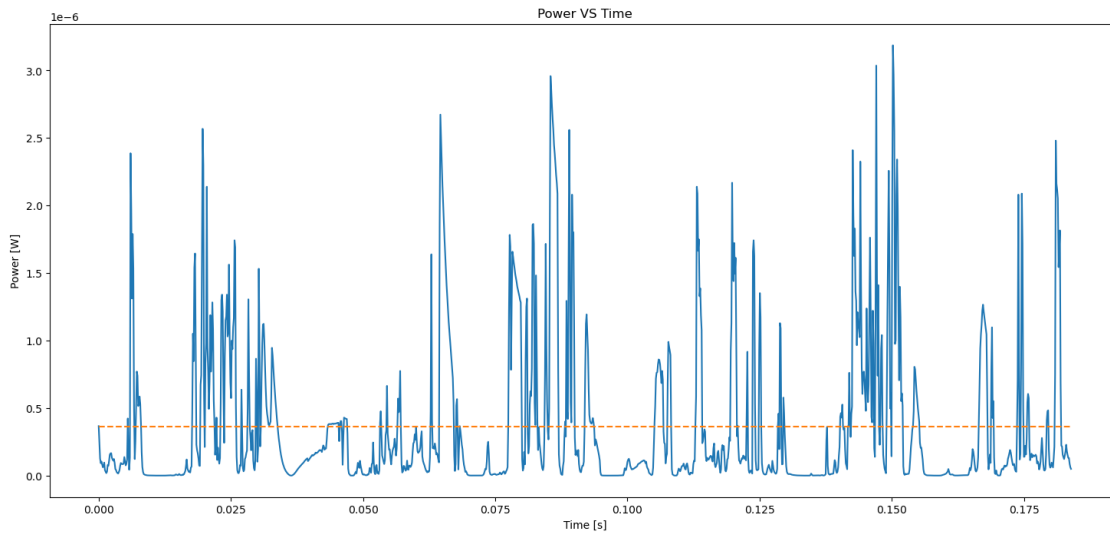
The input frequency is: 16.30 Hz





	Variable	Min	Max	Peak to peak	Mean	Mean of absolute value
0	Pressure [Bar]	2.76e-02	6.06e-01	5.79e-01	2.70e-01	2.70e-01
1	Voltage [V]	-2.12e+00	2.09e+00	4.21e+00	4.14e-03	3.88e-01

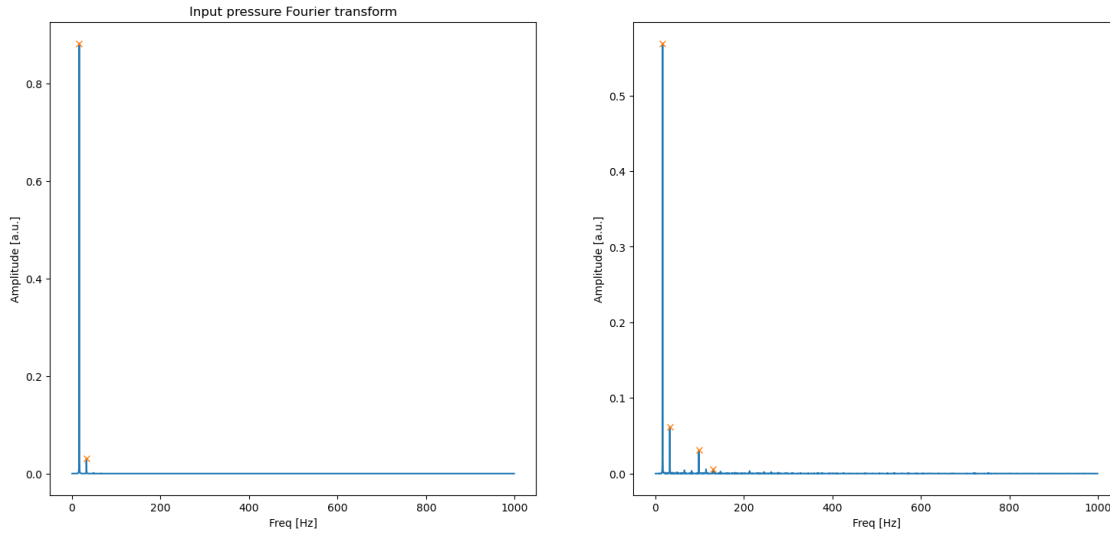
### 3 POWER



Mean power: 3.64e-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	16.30	56.89
1	32.60	6.15
2	98.26	3.08
3	130.86	0.60

### 4.2 Pressure frequency peaks

	Freq [Hz]	Amplitude percentage
0	16.30	88.22
1	32.60	3.05