

# Measurements

May 20, 2022

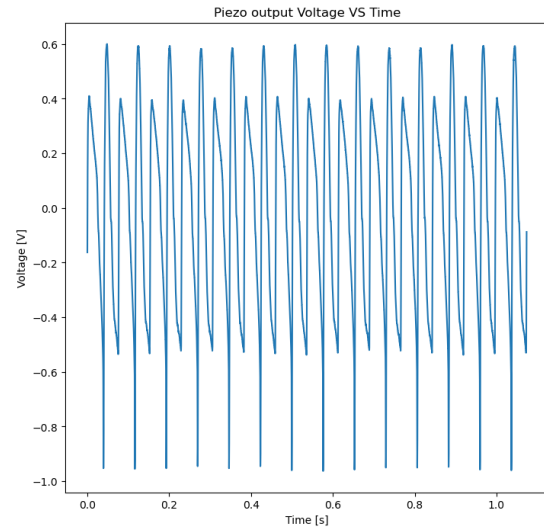
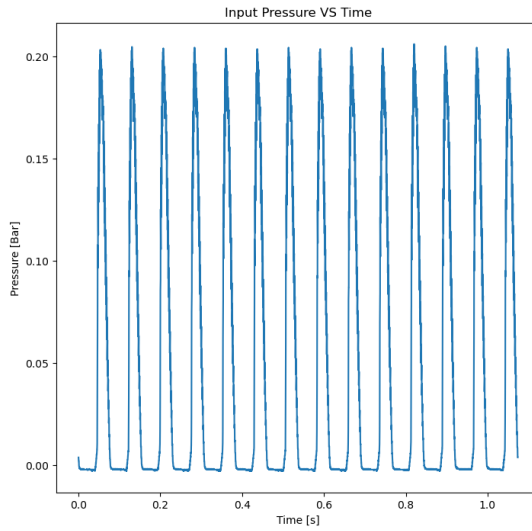
## 1 PARAMETERS

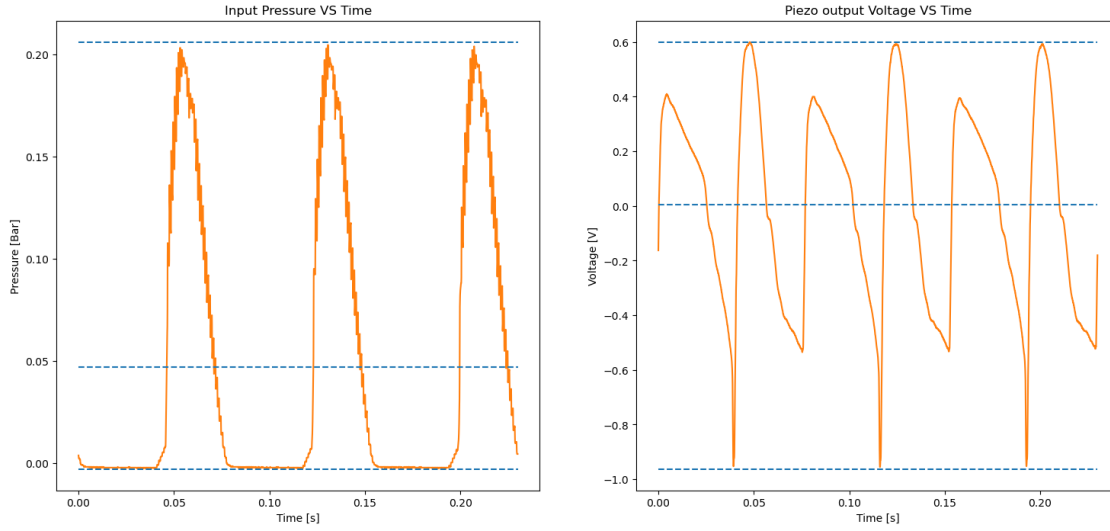
Sample name: ZNOTest

	Parameter	Value	Unit
0	Sample name	ZNOTest	
1	Measure duration	1.073741824	[s]
2	Rload	2000000.0	[Ohms]
3	Nb Periods	3.0	[1]
4	R Circuit	1000000.0	[Ohms]
5	Max Frequency	100.0	[Hz]

## 2 PRESSURE AND VOLTAGE MEASUREMENTS

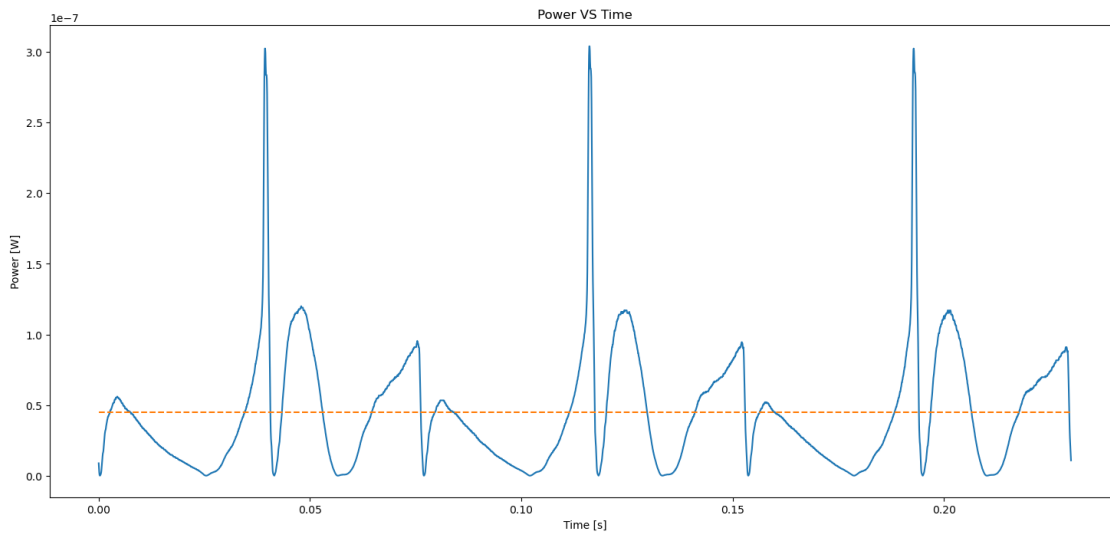
The input frequency is: 13.04 Hz





	Variable	Min	Max	Peak to peak	Mean	Mean of absolute value
0	Pressure [Bar]	-2.80e-03	2.06e-01	2.09e-01	4.72e-02	4.93e-02
1	Voltage [V]	-9.63e-01	6.00e-01	1.56e+00	4.57e-03	3.23e-01

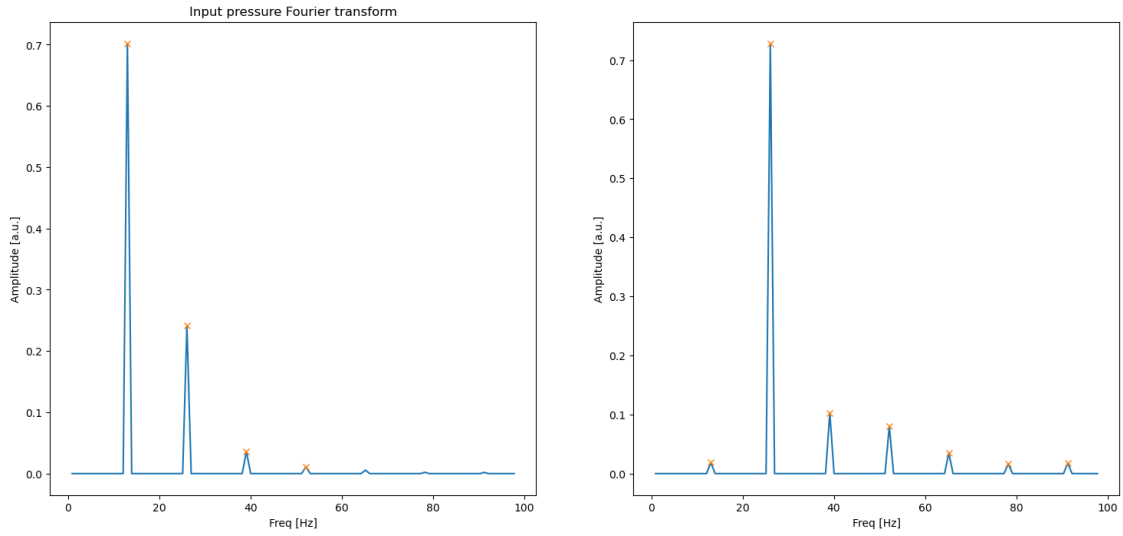
### 3 POWER



Mean power: 4.47e-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	13.04	1.87
1	26.08	72.85
2	39.12	10.30
3	52.16	8.03
4	65.20	3.47
5	78.24	1.67
6	91.28	1.78

### 4.2 Pressure frequency peaks

	Freq [Hz]	Amplitude percentage
0	13.04	70.21
1	26.08	24.15
2	39.12	3.57
3	52.16	1.11