

# Measurements

May 27, 2022

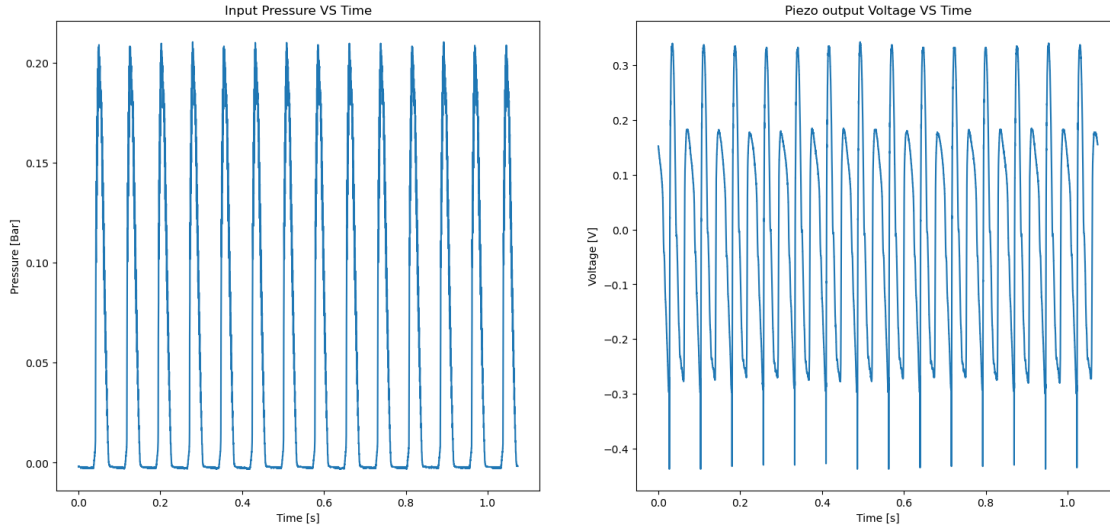
## 1 PARAMETERS

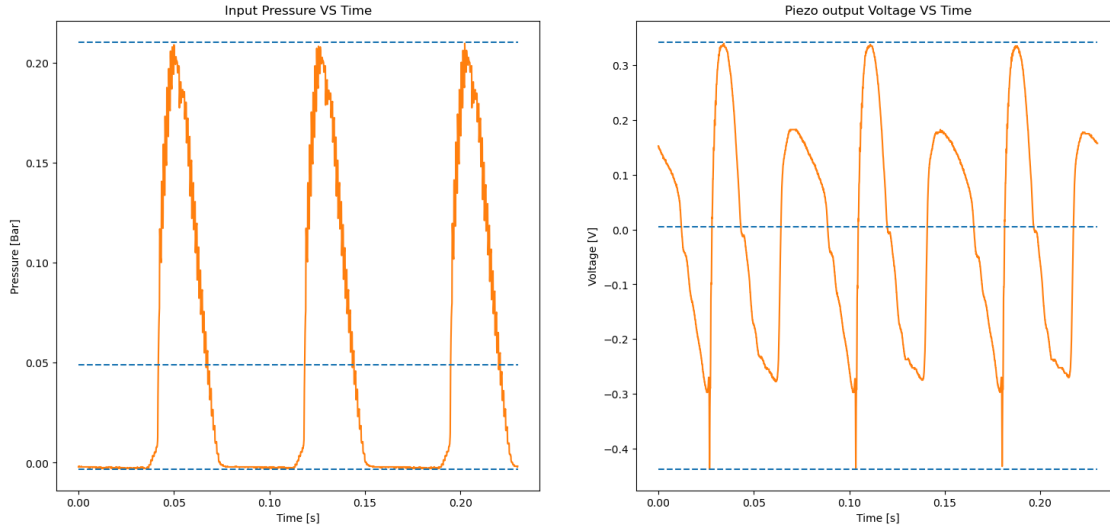
Sample name: PVDF-109-30min

	Parameter	Value	Unit
0	Sample name	PVDF-109-30min	
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

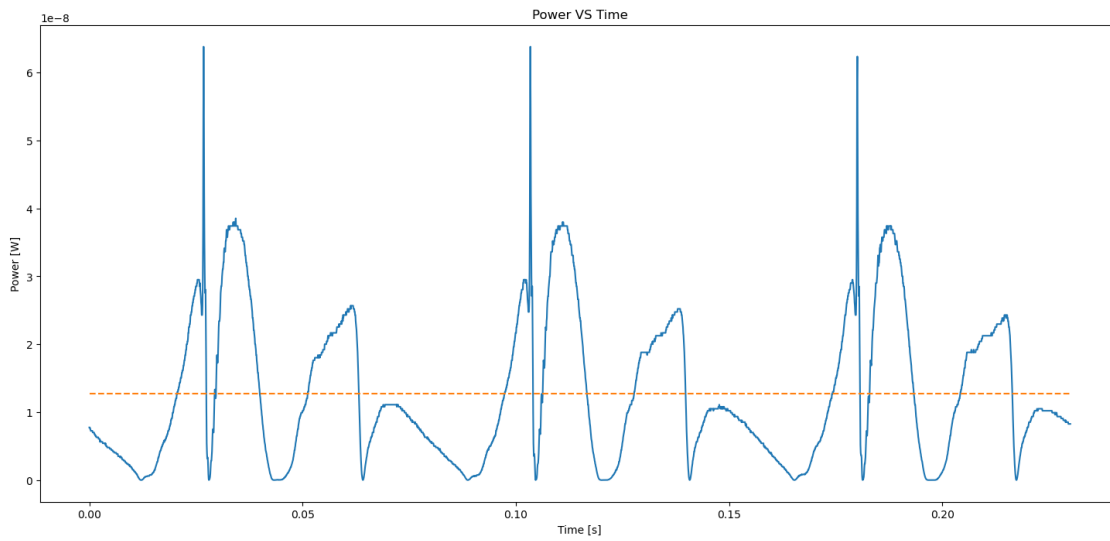
The input frequency is: 13.04 Hz





	Variable	Min	Max	Peak to peak	Mean	Mean of absolute value
0	Pressure [Bar]	-3.15e-03	2.10e-01	2.13e-01	4.91e-02	5.15e-02
1	Voltage [V]	-4.38e-01	3.43e-01	7.80e-01	4.65e-03	1.74e-01

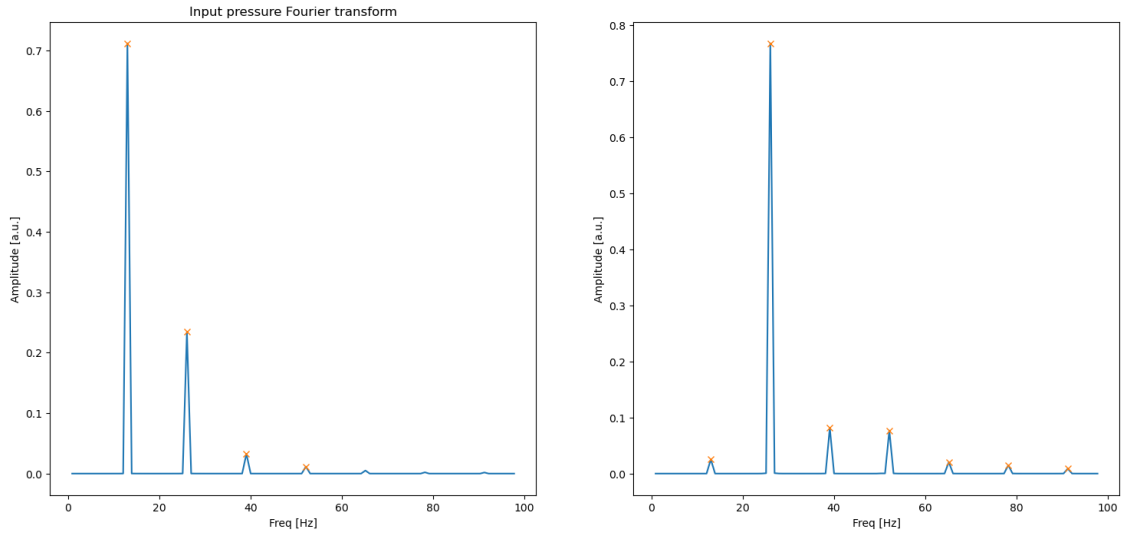
### 3 POWER



Mean power: 1.27e-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	2.52
1	26.08	76.80
2	39.12	8.16
3	52.16	7.69
4	65.20	2.04
5	78.24	1.49
6	91.28	0.87

### 4.2 Pressure frequency peaks

	Freq [Hz]	Amplitude percentage
0	13.04	71.18
1	26.08	23.43
2	39.12	3.26
3	52.16	1.14