

# Measurements

May 27, 2022

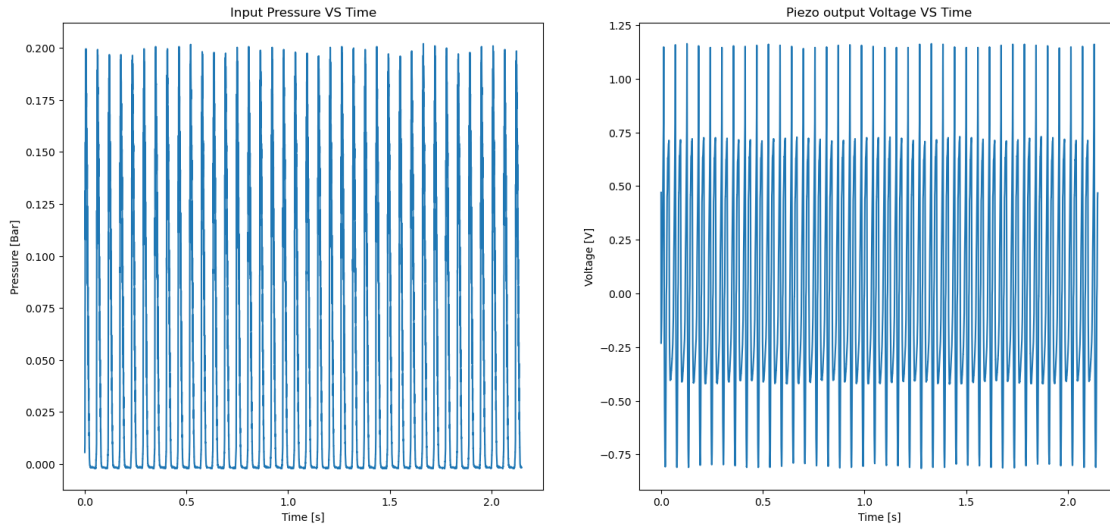
## 1 PARAMETERS

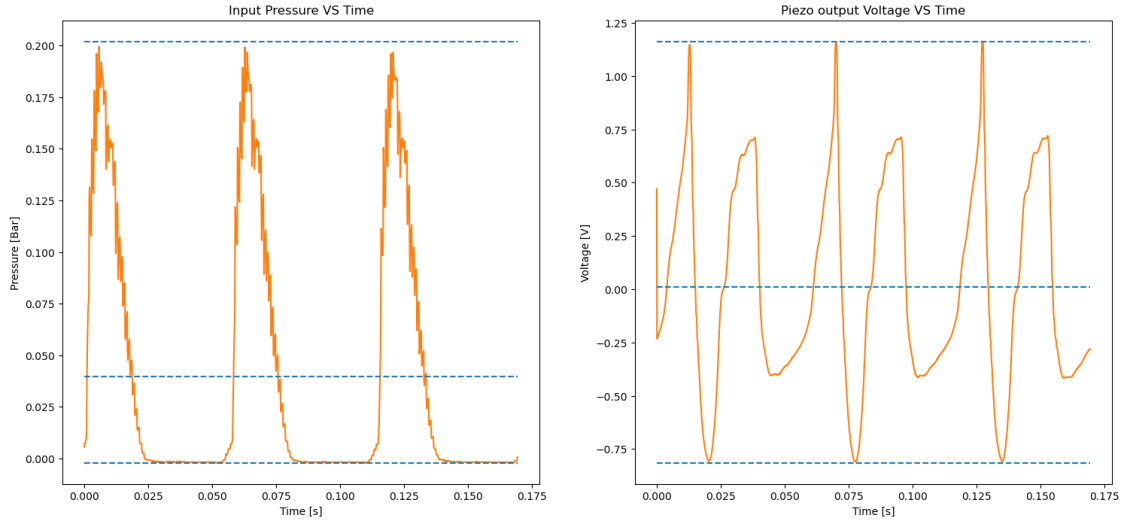
Sample name: PVDF-109-30min

	Parameter	Value	Unit
0	Sample name	PVDF-109-30min	
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	100.0	[Hz]

## 2 PRESSURE AND VOLTAGE MEASUREMENTS

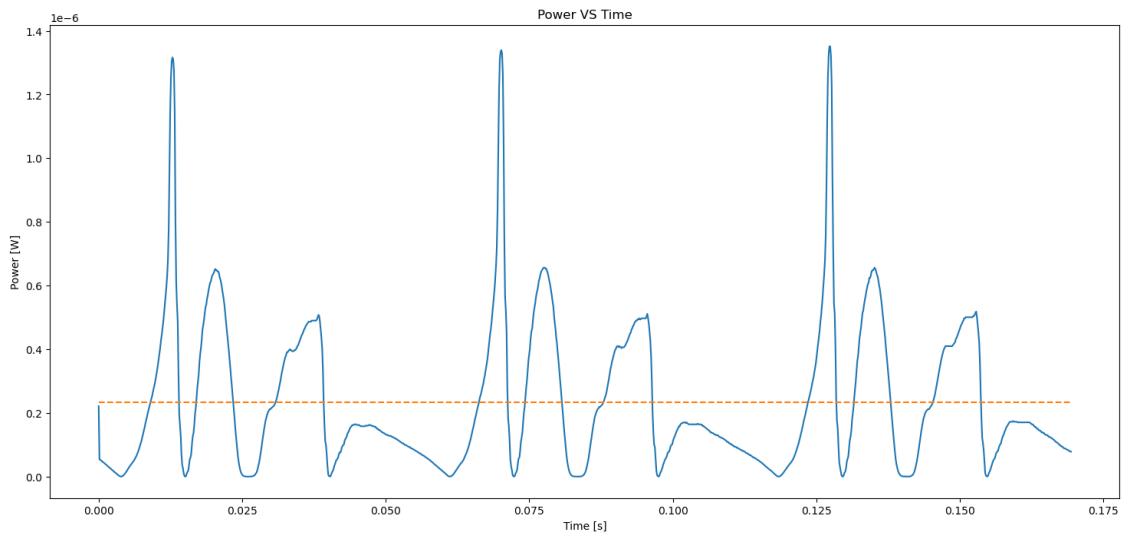
The input frequency is: 17.70 Hz





	Variable	Min	Max	Peak to peak	Mean	Mean of absolute value
0	Pressure [Bar]	-2.10e-03	2.02e-01	2.04e-01	3.98e-02	4.15e-02
1	Voltage [V]	-8.15e-01	1.16e+00	1.98e+00	8.82e-03	4.16e-01

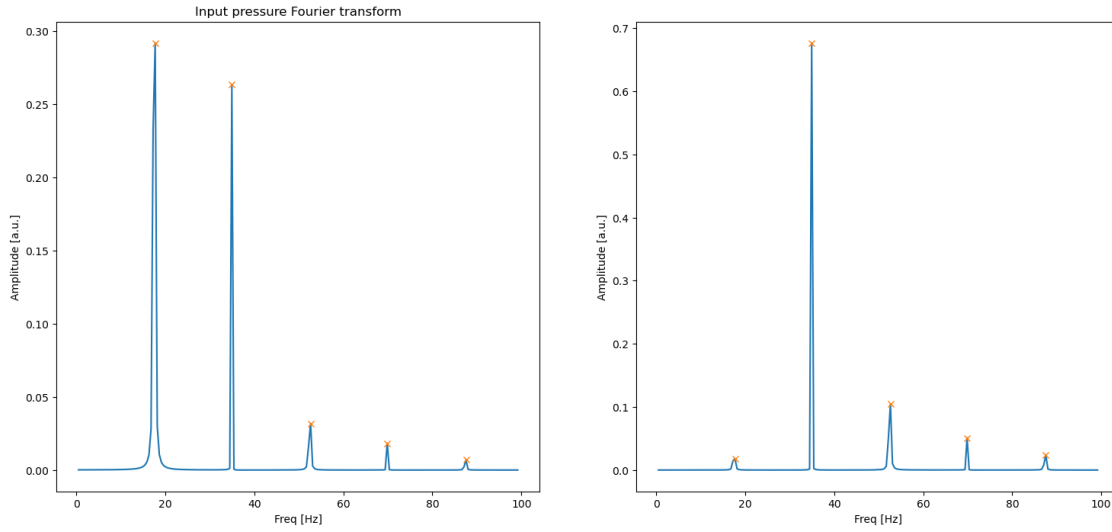
### 3 POWER



Mean power: 2.33e-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	17.70	1.78
1	34.93	67.63
2	52.62	10.41
3	69.85	5.10
4	87.55	2.37

### 4.2 Pressure frequency peaks

	Freq [Hz]	Amplitude percentage
0	17.70	29.18
1	34.93	26.33
2	52.62	3.17
3	69.85	1.83
4	87.55	0.69