

# Measurements

May 27, 2022

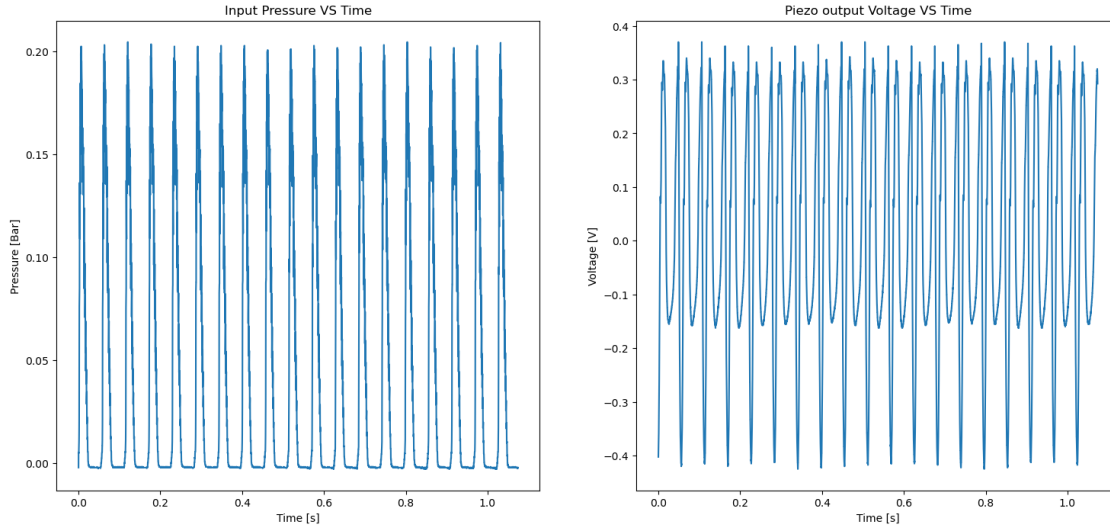
## 1 PARAMETERS

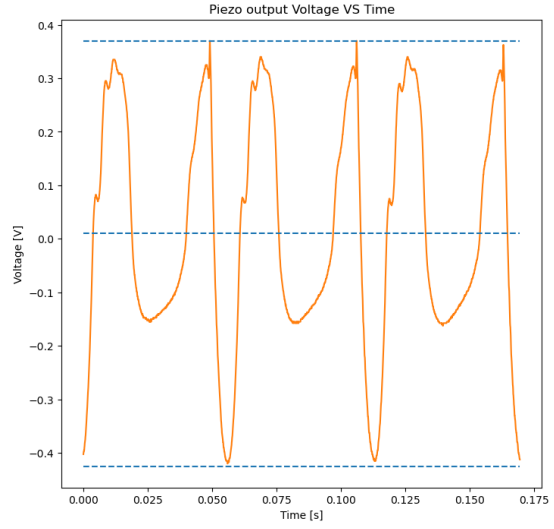
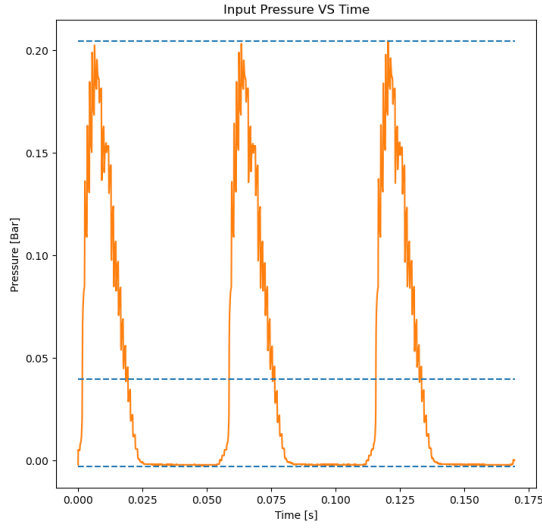
Sample name: PVDF-109-30min

	Parameter	Value	Unit
0	Sample name	PVDF-109-30min	
1	Measure duration	1.073741824	[s]
2	Rload	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

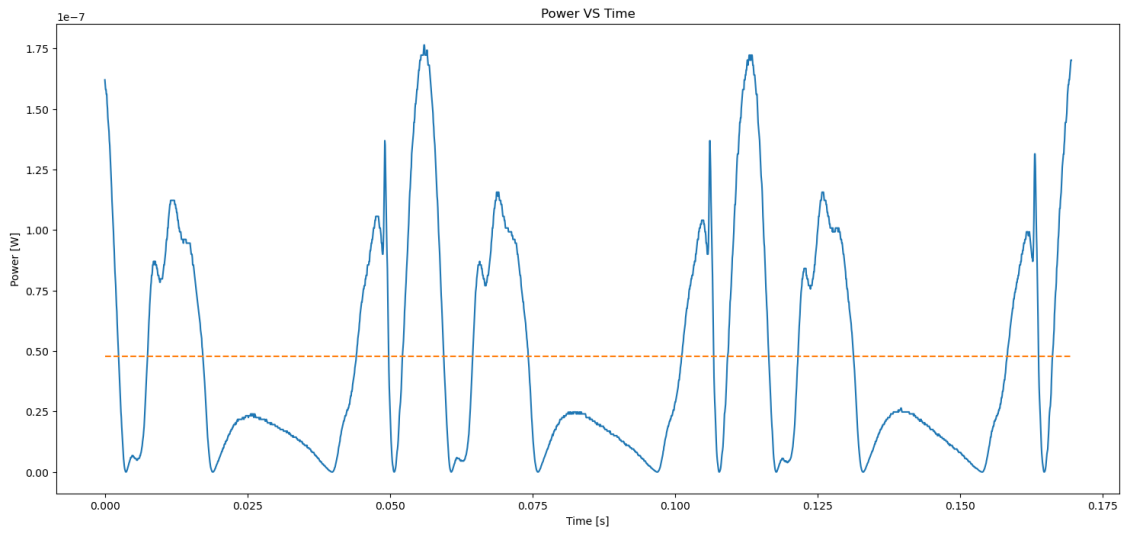
The input frequency is: 17.70 Hz





	Variable	Min	Max	Peak to peak	Mean	Mean of absolute value
0	Pressure [Bar]	-2.80e-03	2.04e-01	2.07e-01	3.95e-02	4.16e-02
1	Voltage [V]	-4.25e-01	3.70e-01	7.95e-01	9.90e-03	1.92e-01

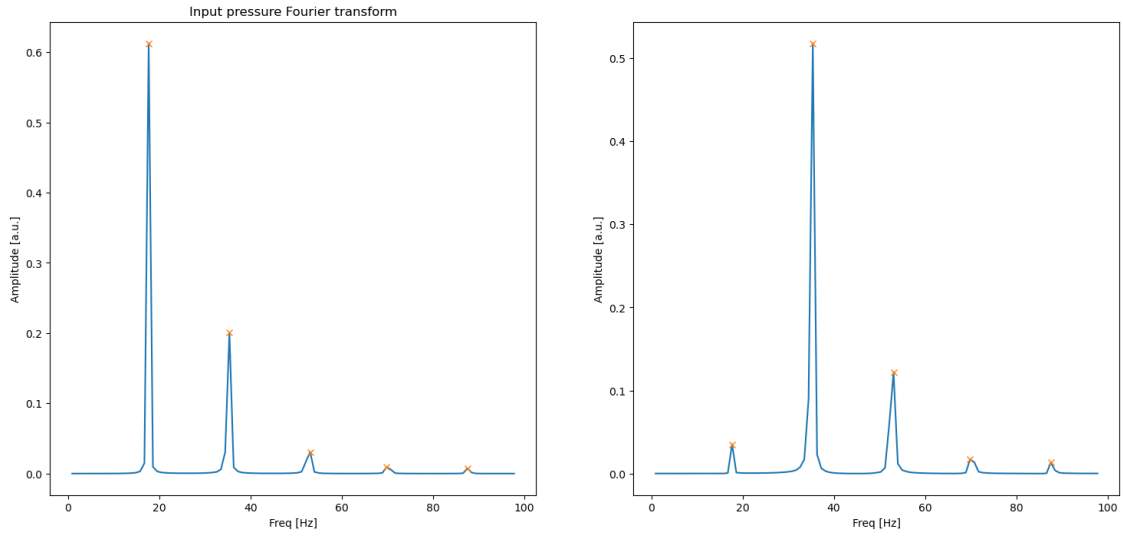
### 3 POWER



Mean power: 4.79e-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	17.70	3.54
1	35.39	51.80
2	53.09	12.16
3	69.85	1.70
4	87.55	1.34

### 4.2 Pressure frequency peaks

	Freq [Hz]	Amplitude percentage
0	17.70	61.25
1	35.39	20.07
2	53.09	3.08
3	69.85	0.92
4	87.55	0.76