

Measurements

May 27, 2022

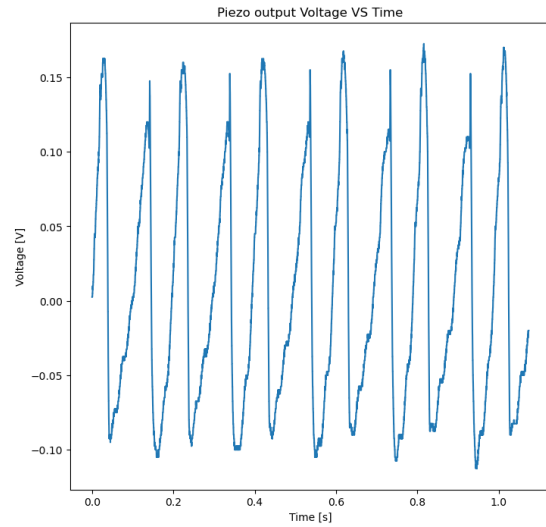
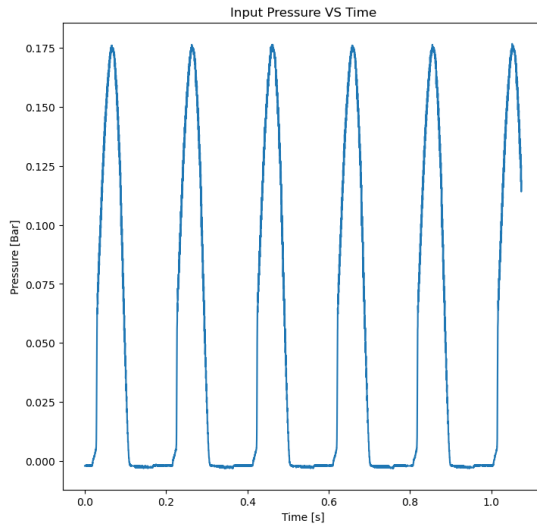
1 PARAMETERS

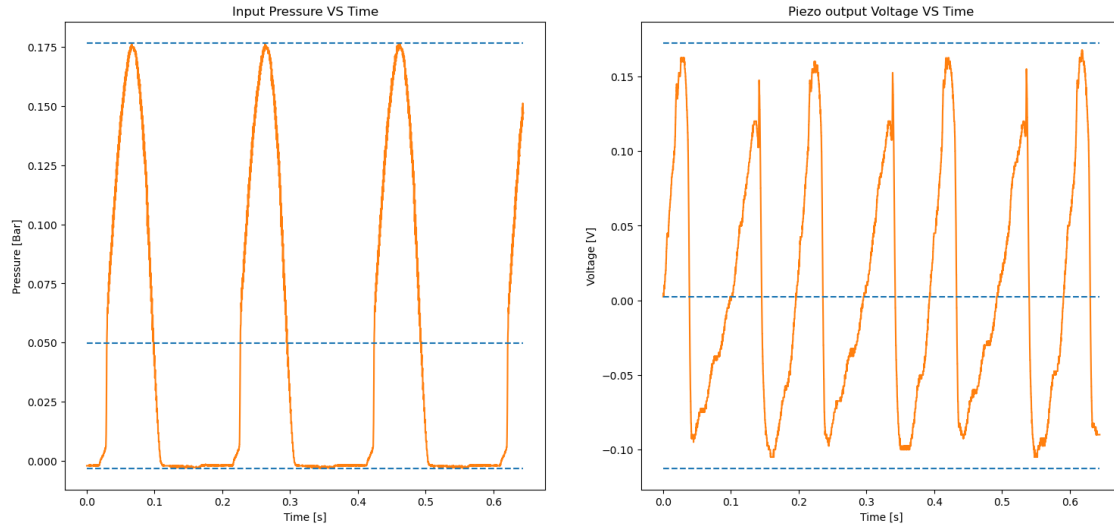
Sample name: PVDF-109-30min

	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

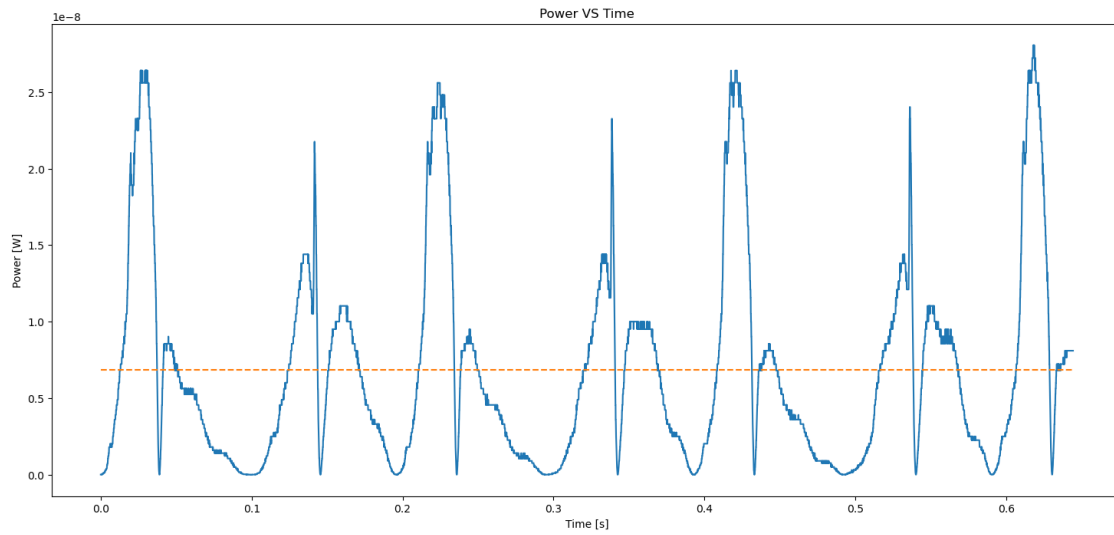
The input frequency is: 4.66 Hz





	Variable	Min	Max	Peak to peak	Mean	Mean of absolute value
0	Pressure [Bar]	-3.15e-03	1.77e-01	1.80e-01	4.97e-02	5.20e-02
1	Voltage [V]	-1.13e-01	1.72e-01	2.85e-01	2.45e-03	7.04e-02

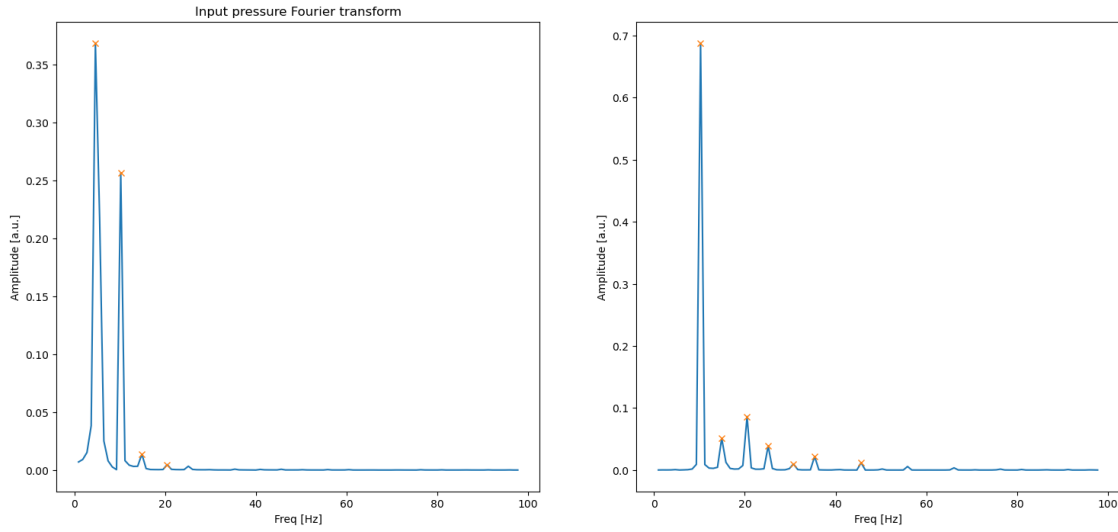
3 POWER



Mean power: 6.83e-09 [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	10.25	68.80
1	14.90	5.13
2	20.49	8.62
3	25.15	3.88
4	30.74	0.98
5	35.39	2.18
6	45.64	1.18

4.2 Pressure frequency peaks

	Freq [Hz]	Amplitude percentage
0	4.66	36.83
1	10.25	25.62
2	14.90	1.37
3	20.49	0.47