

Measurements

May 27, 2022

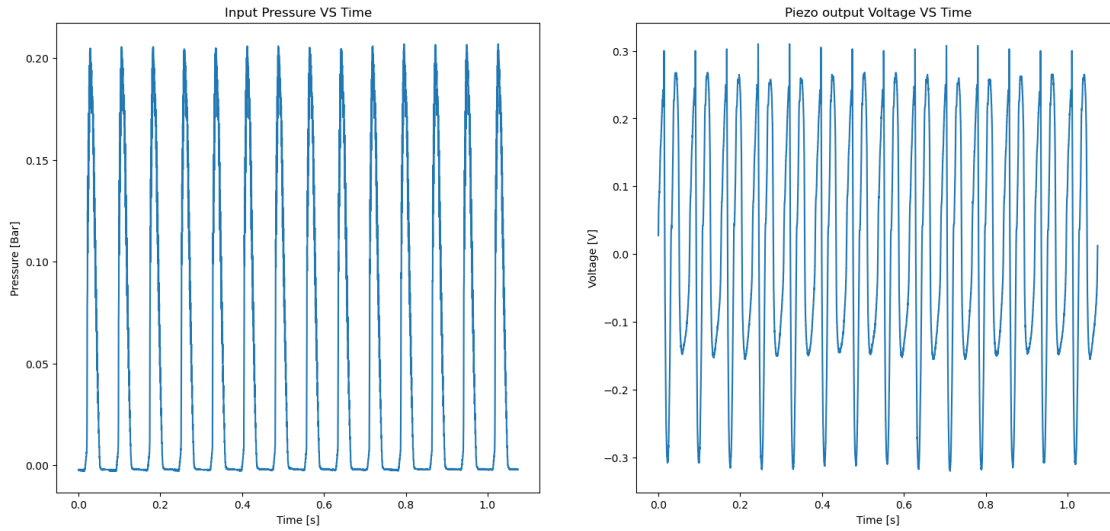
1 PARAMETERS

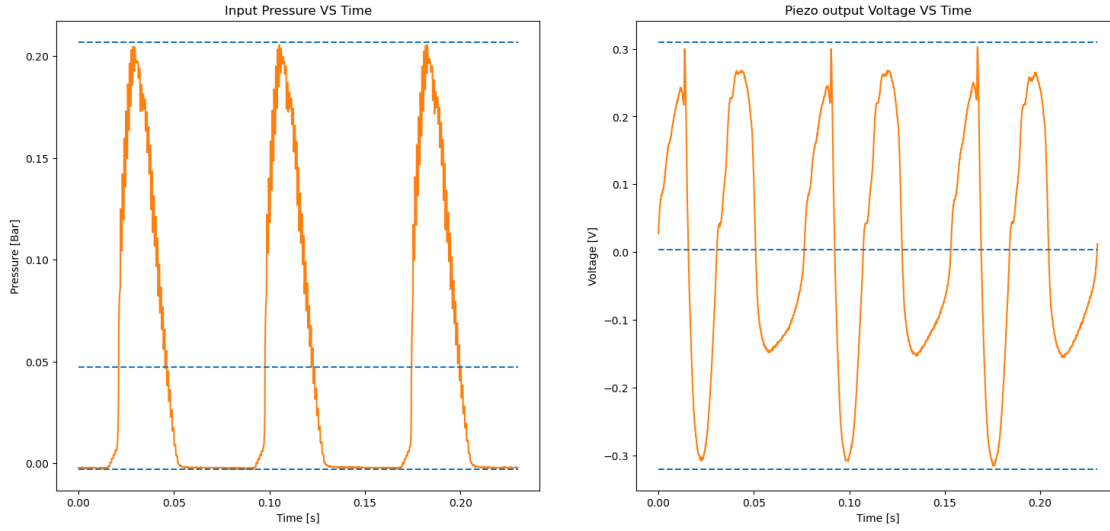
Sample name: PVDF-109-30min

	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

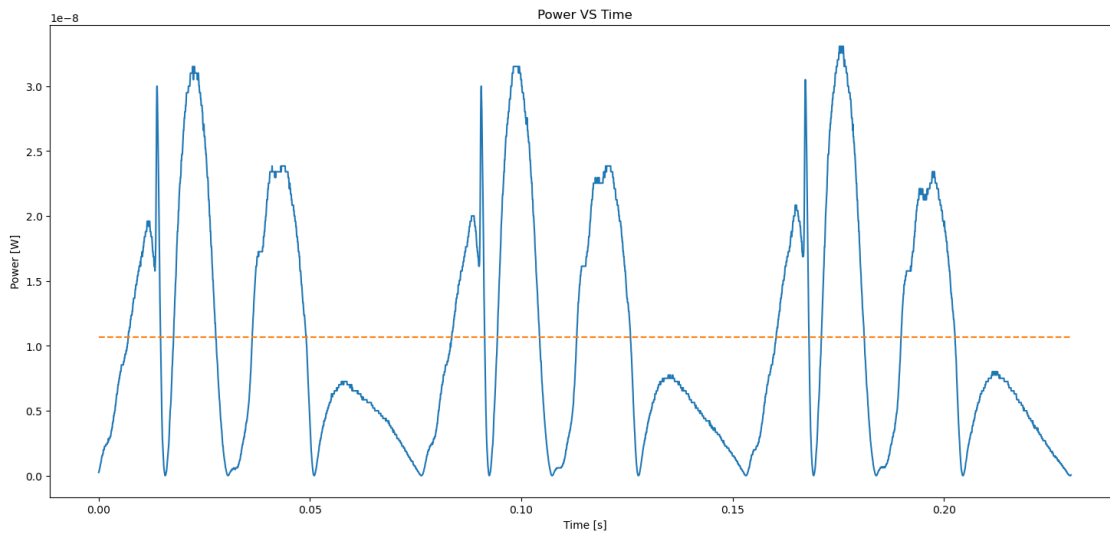
The input frequency is: 13.04 Hz





	Variable	Min	Max	Peak to peak	Mean	Mean of absolute value
0	Pressure [Bar]	-2.80e-03	2.07e-01	2.10e-01	4.74e-02	4.95e-02
1	Voltage [V]	-3.20e-01	3.10e-01	6.30e-01	3.76e-03	1.59e-01

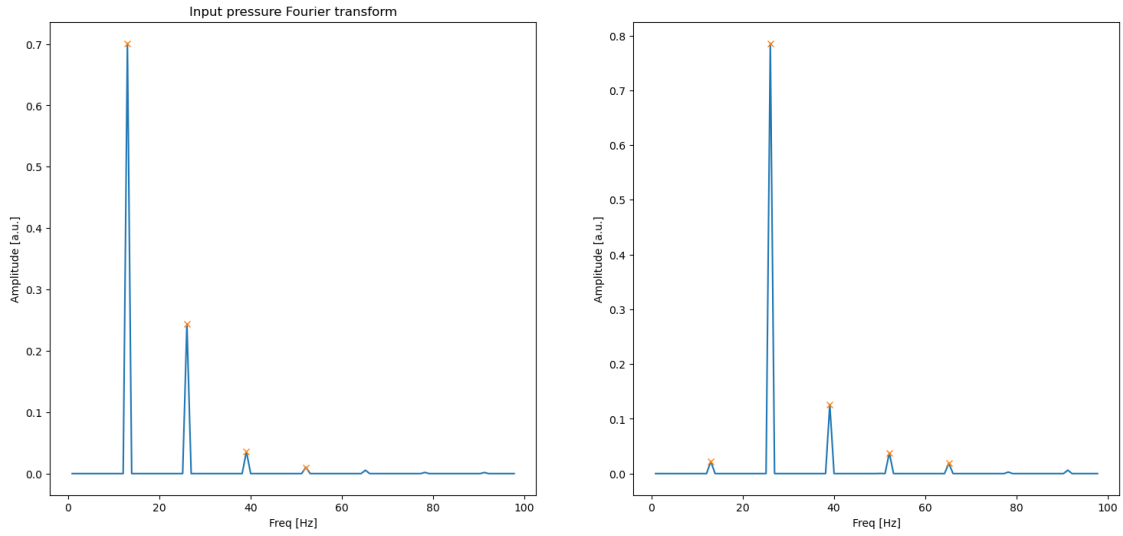
3 POWER



Mean power: 1.07e-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	2.23
1	26.08	78.57
2	39.12	12.61
3	52.16	3.79
4	65.20	1.88

4.2 Pressure frequency peaks

	Freq [Hz]	Amplitude percentage
0	13.04	70.11
1	26.08	24.40
2	39.12	3.57
3	52.16	1.03