Measurements

May 27, 2022
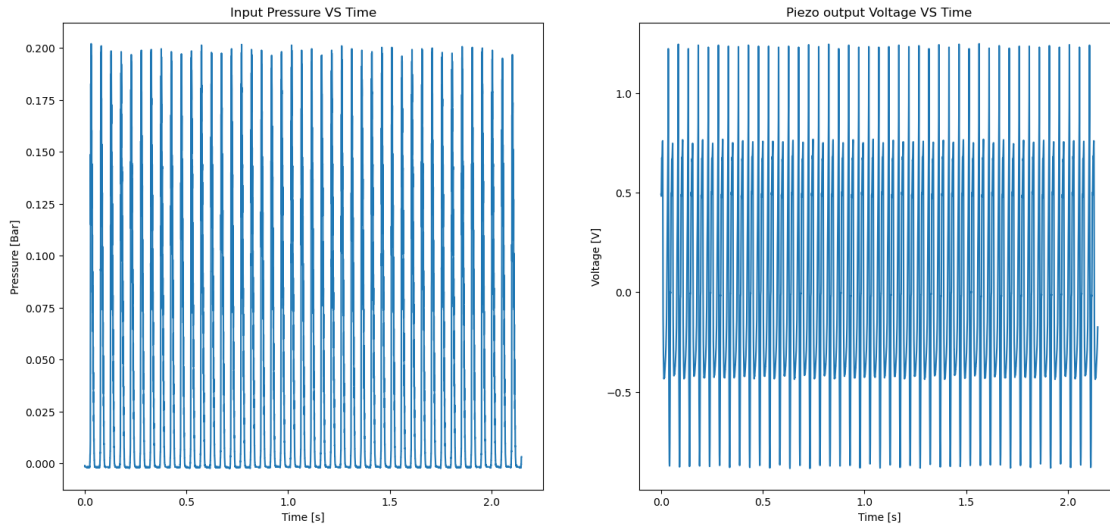
1 PARAMETERS
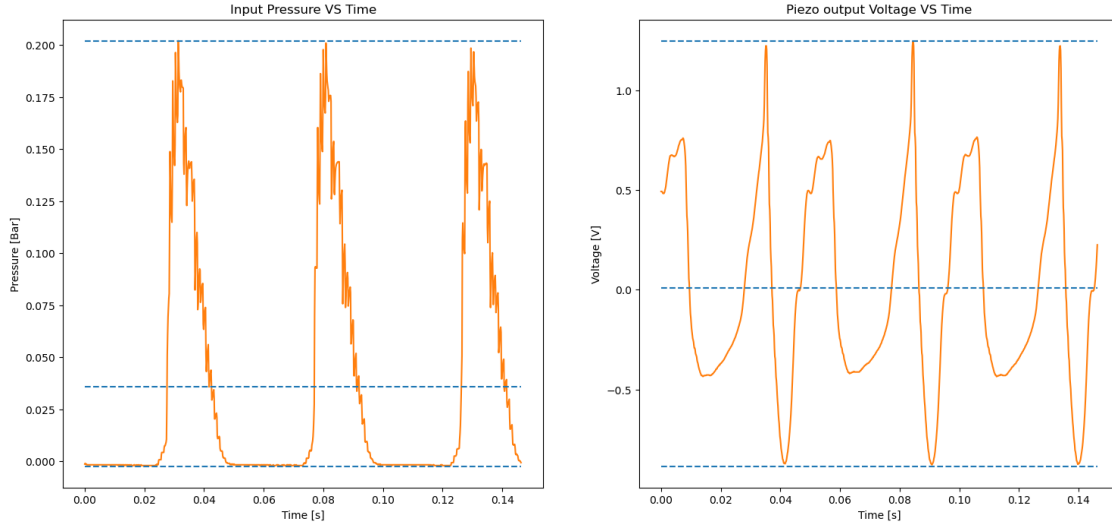
Sample name: PVDF-109-30min

	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: 20.49 Hz

	Variable	Min	Max	Peak to peak	Mean	Mean of absolute value
0	Pressure [Bar]	-2.45e-03	2.02e-01	2.04e-01	3.58e-02	3.77e-02
1	Voltage [V]	-8.85e-01	1.25e+00	2.13e+00	9.03e-03	4.36e-01

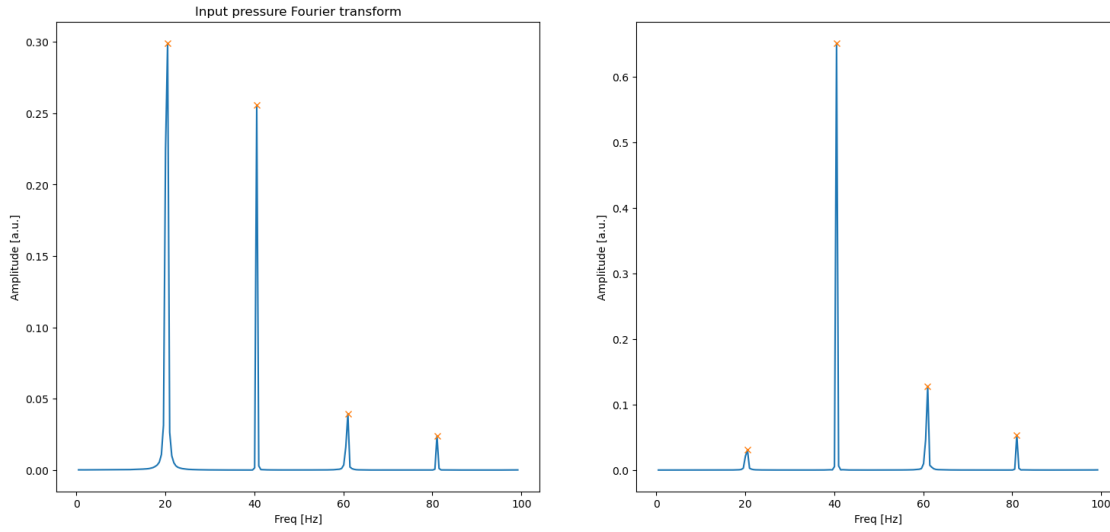# 3 POWER
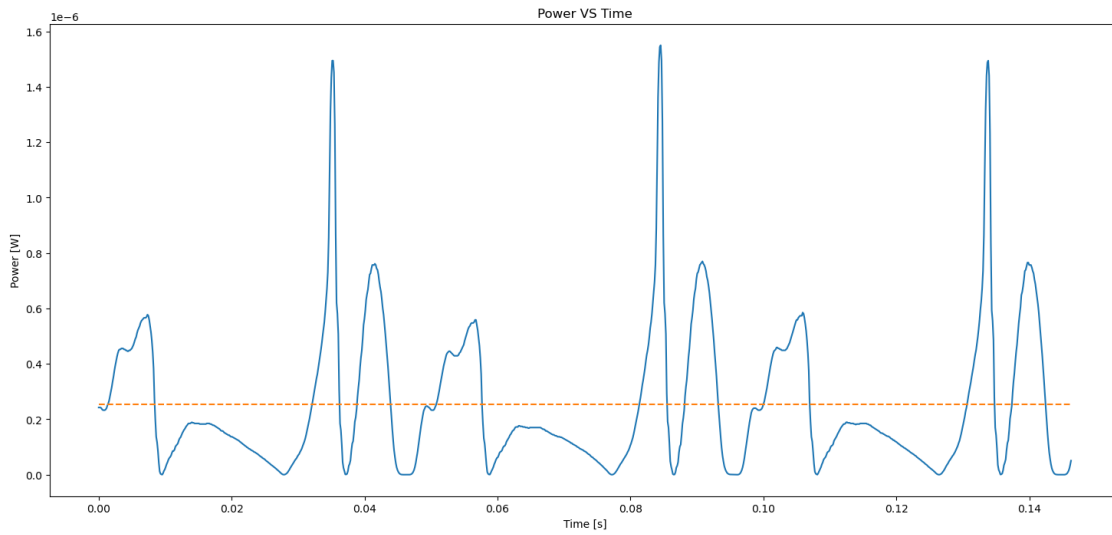
Mean power: 2.53e-07 [W]

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	20.49	3.06
1	40.52	65.16
2	61.01	12.79
3	81.03	5.34

4.2   Pressure frequency peaks

	Freq [Hz]	Amplitude percentage
0	20.49	29.92
1	40.52	25.57
2	61.01	3.94
3	81.03	2.39