

Measurements

March 18, 2022

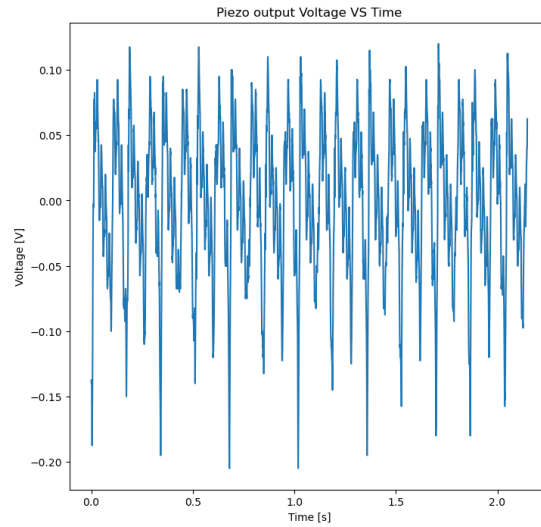
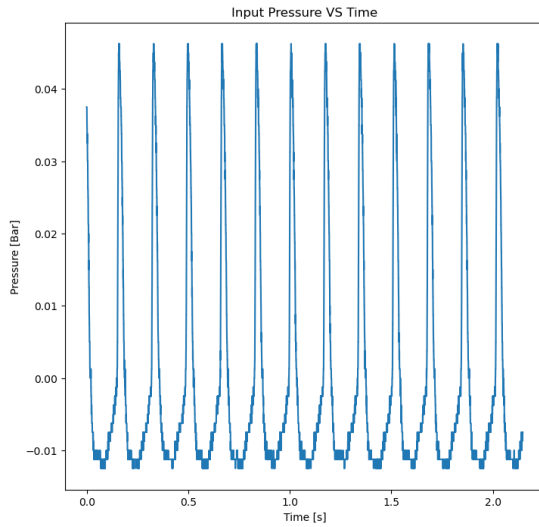
1 PARAMETERS

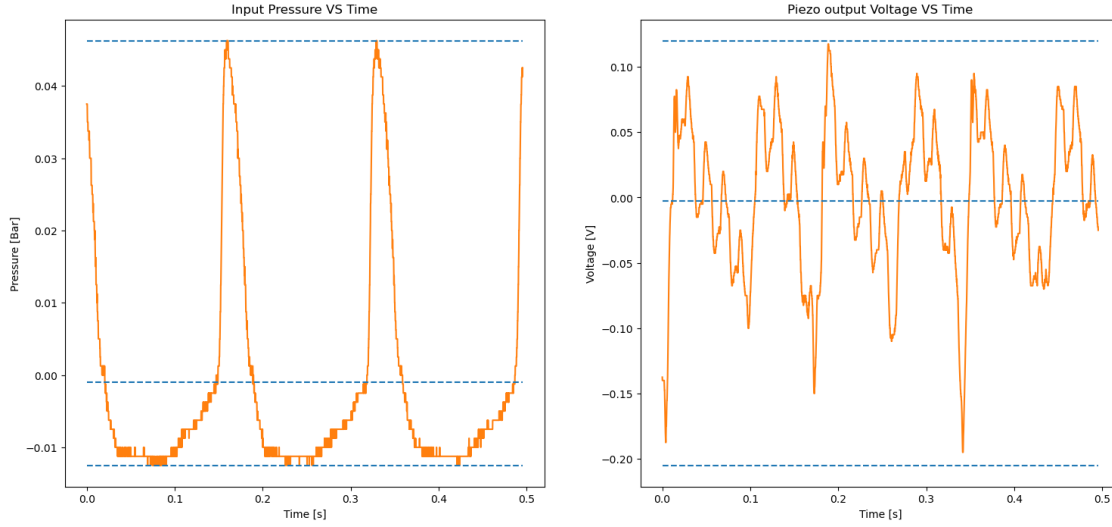
Sample name: ES.PVDF.E9.30m.100nm.6.99

	Parameter	Value	Unit
0	Sample name	ES.PVDF.E9.30m.100nm.6.99	
1	Measure duration	2.147483648	[s]
2	Rload	5000000.0	[Ohms]
3	Nb Periods	3.0	[1]
4	R Circuit	1.0	[Ohms]
5	Max Frequency	100.0	[Hz]

2 PRESSURE AND VOLTAGE MEASUREMENTS

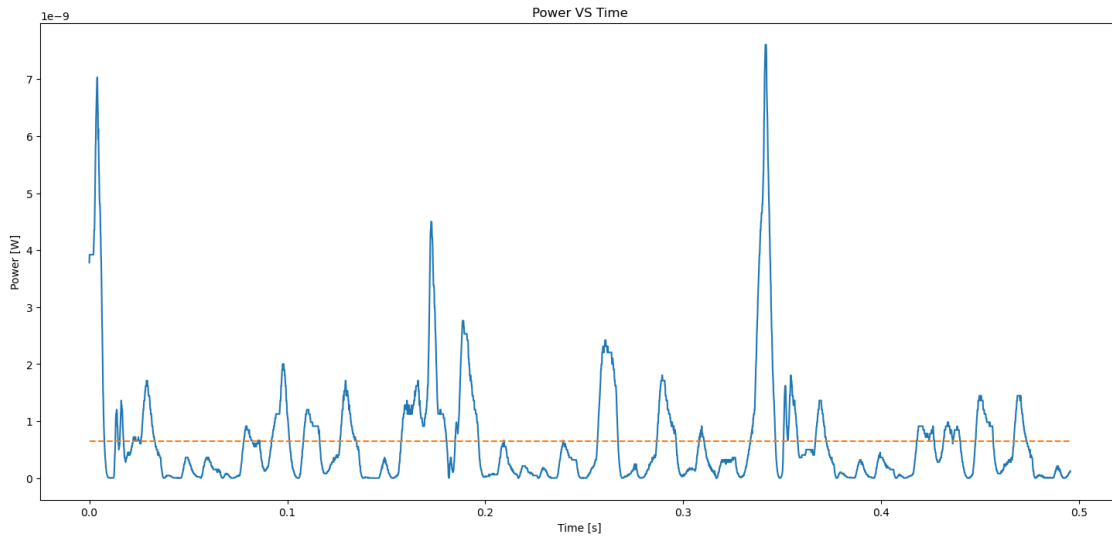
The input frequency is: 6.05 Hz





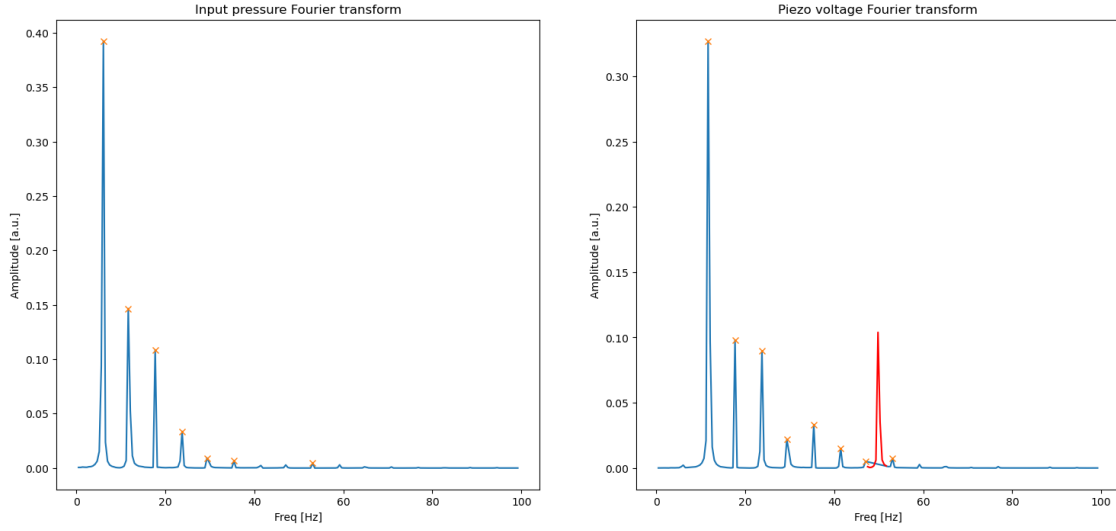
	Variable	Min	Max	Peak to peak	Mean	Mean of absolute value
0	Pressure [Bar]	-1.25e-02	4.62e-02	5.87e-02	-9.40e-04	1.24e-02
1	Voltage [V]	-2.05e-01	1.20e-01	3.25e-01	-2.56e-03	4.58e-02

3 POWER



Mean power: 6.45e-10 [W]

4 FREQUENCY ANALYSIS



4.1 Voltage frequency peaks

	Freq [Hz]	Amplitude percentage
0	11.64	32.70
1	17.70	9.80
2	23.75	8.96
3	29.34	2.18
4	35.39	3.33
5	41.45	1.51
6	47.03	0.51
7	53.09	0.75

4.2 Pressure frequency peaks

	Freq [Hz]	Amplitude percentage
0	6.05	39.23
1	11.64	14.65
2	17.70	10.85
3	23.75	3.37
4	29.34	0.93
5	35.39	0.65
6	53.09	0.44