

Measurements

March 18, 2022

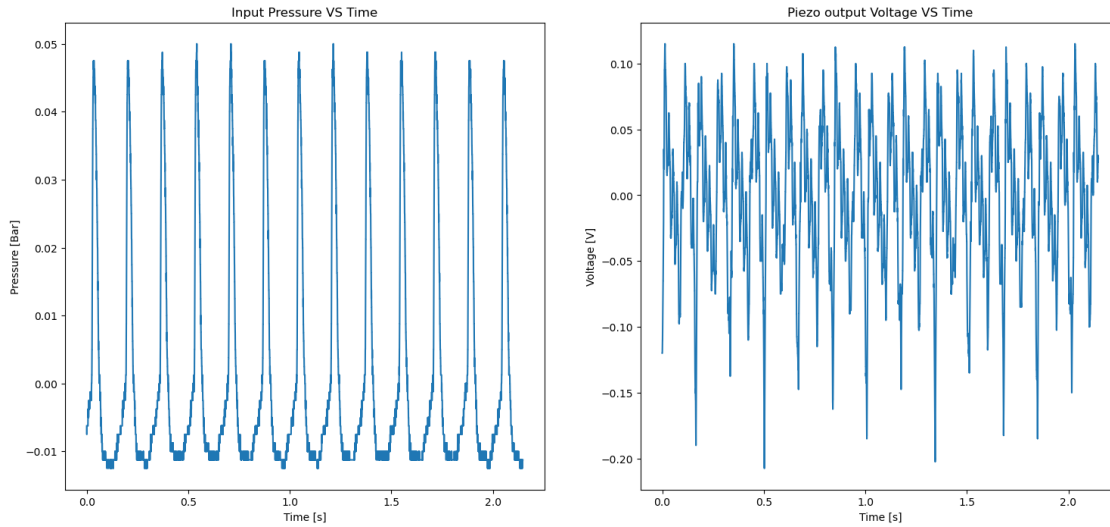
1 PARAMETERS

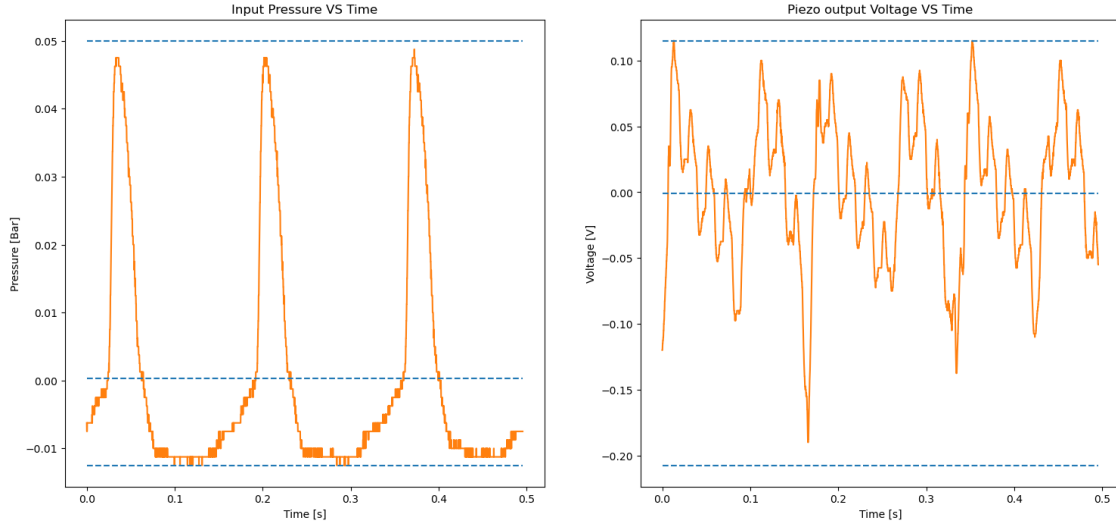
Sample name: ES.PVDF.E9.30m.100nm.6.99

	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

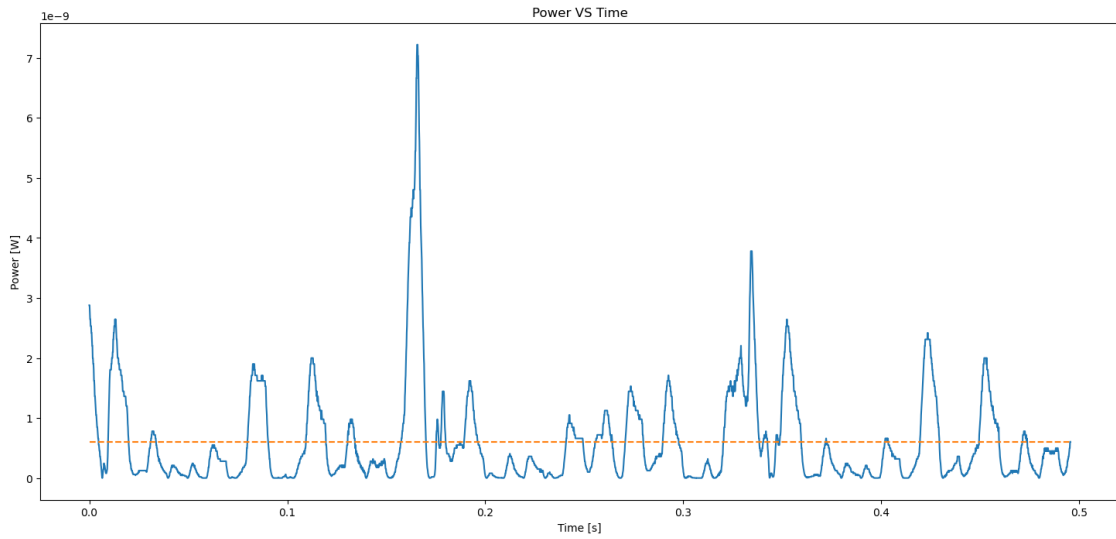
The input frequency is: 6.05 Hz





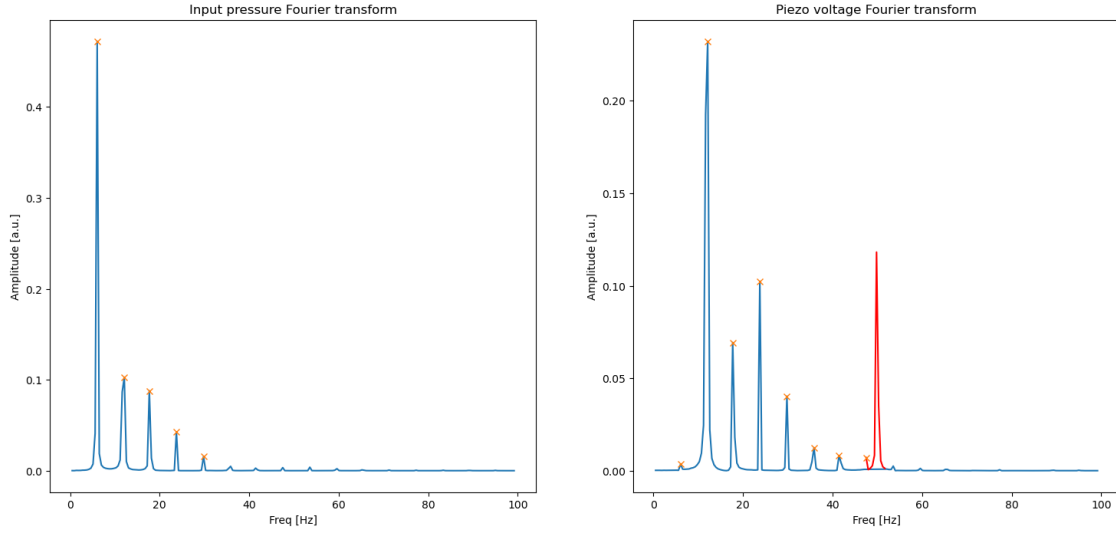
	Variable	Min	Max	Peak to peak	Mean	Mean of absolute value
0	Pressure [Bar]	-1.25e-02	5.00e-02	6.25e-02	3.15e-04	1.27e-02
1	Voltage [V]	-2.07e-01	1.15e-01	3.23e-01	-9.77e-04	4.56e-02

3 POWER



Mean power: 6.02e-10 [W]

4 FREQUENCY ANALYSIS



4.1 Voltage frequency peaks

	Freq [Hz]	Amplitude percentage
0	6.05	0.35
1	12.11	23.22
2	17.70	6.93
3	23.75	10.24
4	29.80	4.03
5	35.86	1.25
6	41.45	0.82
7	47.50	0.71

4.2 Pressure frequency peaks

	Freq [Hz]	Amplitude percentage
0	6.05	47.22
1	12.11	10.28
2	17.70	8.79
3	23.75	4.27
4	29.80	1.54