

Measurements

March 17, 2022

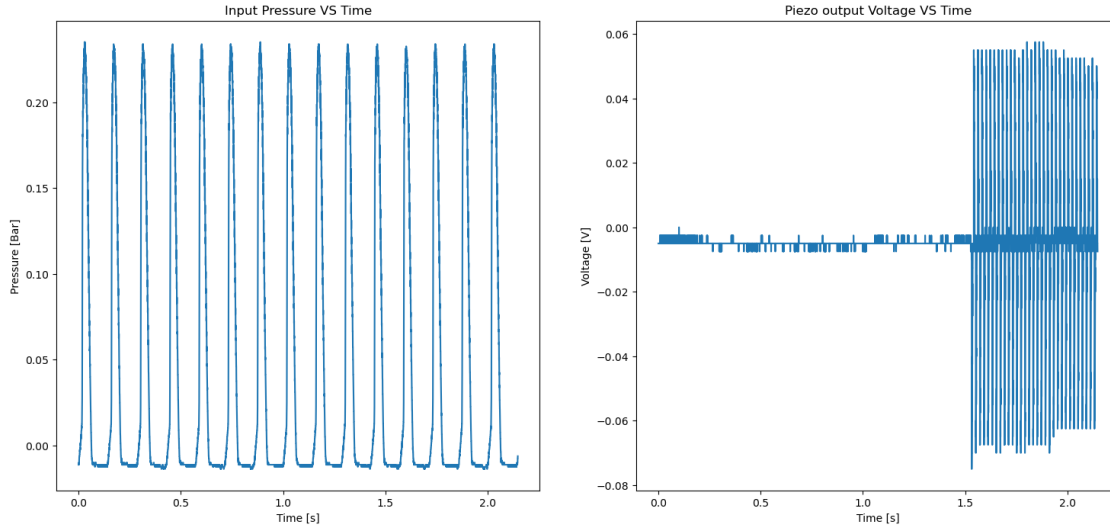
1 PARAMETERS

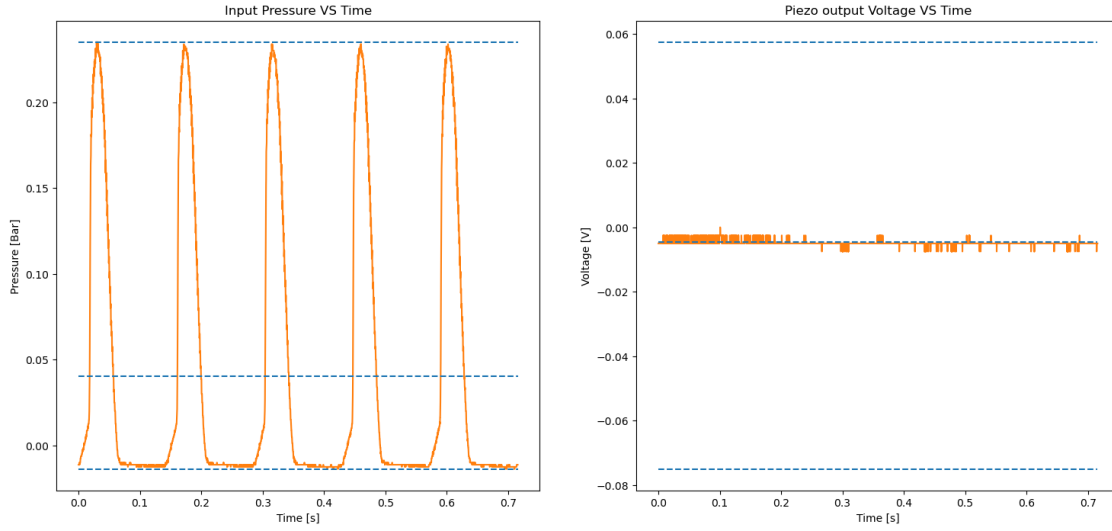
Sample name: ES.PVDF.E0.0m.100nm.6.99Hz

	Parameter	Value	Unit
0	Sample name	ES.PVDF.E0.0m.100nm.6.99Hz	
1	Measure duration	2.147483648	[s]
2	Rload	6000000.0	[Ohms]
3	Nb Periods	5.0	[1]
4	R Circuit	1.0	[Ohms]
5	Max Frequency	30.0	[Hz]

2 PRESSURE AND VOLTAGE MEASUREMENTS

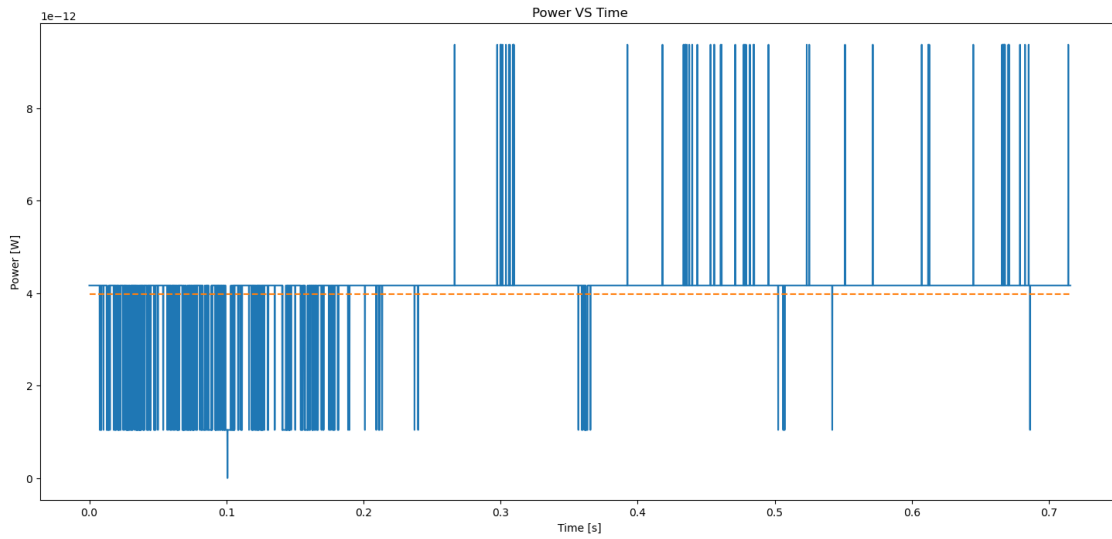
The input frequency is: 6.99 Hz





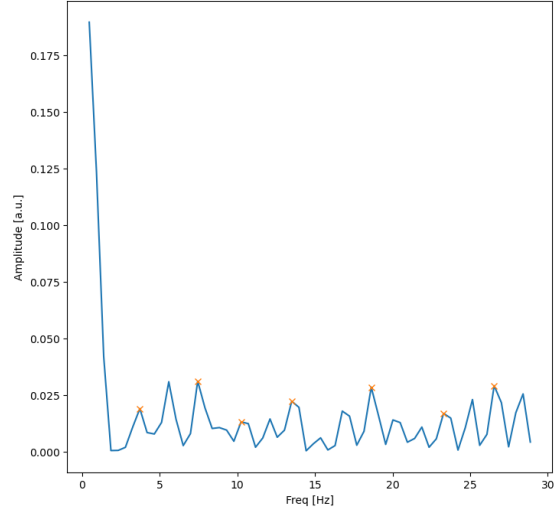
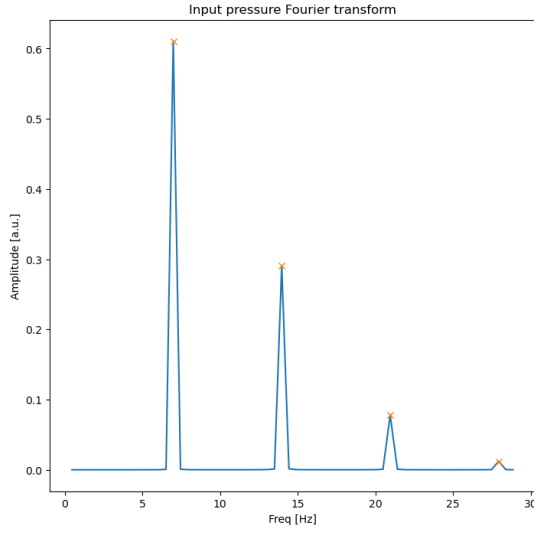
	Variable	Min	Max	Peak to peak	Mean	Mean of absolute value
0	Pressure [Bar]	-1.38e-02	2.35e-01	2.49e-01	4.03e-02	5.40e-02
1	Voltage [V]	-7.50e-02	5.75e-02	1.33e-01	-4.64e-03	9.18e-03

3 POWER



Mean power: 3.98e-12 [W]

4 FREQUENCY ANALYSIS



4.1 Voltage frequency peaks

	Freq [Hz]	Amplitude percentage
0	3.73	1.90
1	7.45	3.11
2	10.25	1.31
3	13.51	2.22
4	18.63	2.85
5	23.28	1.69
6	26.54	2.91

4.2 Pressure frequency peaks

	Freq [Hz]	Amplitude percentage
0	6.99	61.05
1	13.97	29.07
2	20.96	7.78
3	27.94	1.20