

Measurements

March 18, 2022

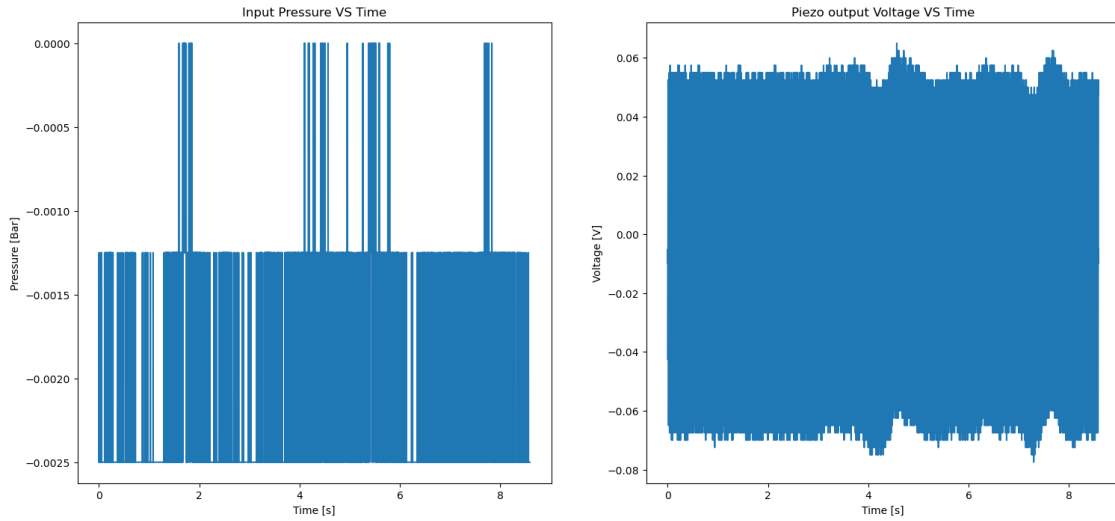
1 PARAMETERS

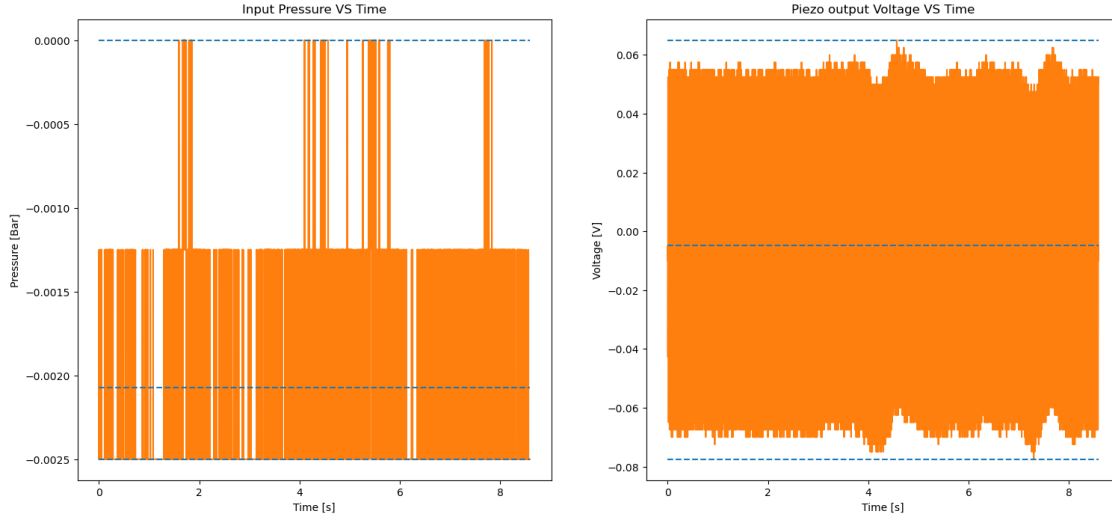
Sample name: ES.PVDF.E0.0m.100nm

	Parameter	Value	Unit
0	Sample name	ES.PVDF.E0.0m.100nm	
1	Measure duration	8.589934592	[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

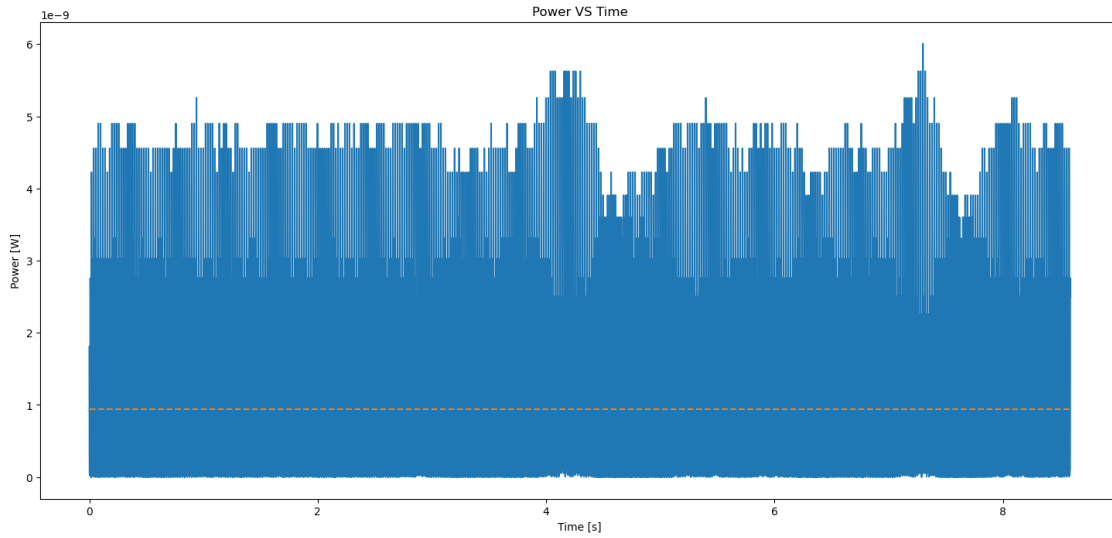
The input frequency is: 0.35 Hz





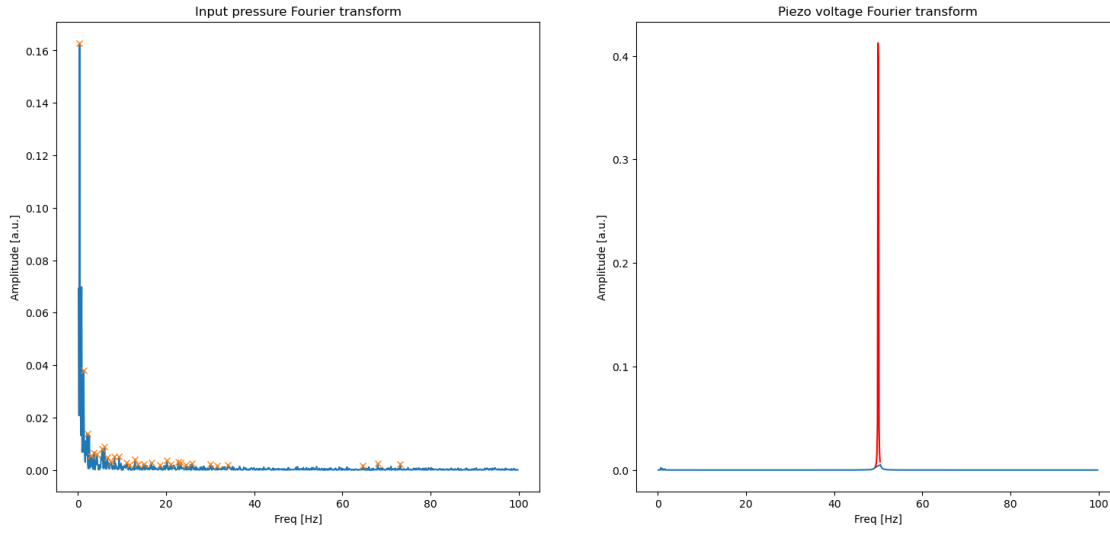
	Variable	Min	Max	Peak to peak	Mean	Mean of absolute value
0	Pressure [Bar]	-2.50e-03	0.00e+00	2.50e-03	-2.07e-03	2.07e-03
1	Voltage [V]	-7.75e-02	6.50e-02	1.43e-01	-4.81e-03	2.18e-02

3 POWER



Mean power: $9.39e-10$ [W]

4 FREQUENCY ANALYSIS



4.1 Voltage frequency peaks

Empty DataFrame Columns: Index(['Freq [Hz]', 'Amplitude percentage'], dtype='object') Index: RangeIndex(st

4.2 Pressure frequency peaks

	Freq [Hz]	Amplitude percentage
0	0.35	16.28
1	1.28	3.79
2	2.10	1.40
3	2.79	0.55
4	3.61	0.67
5	4.31	0.60
6	5.47	0.82
7	6.05	0.88
8	6.64	0.48
9	7.57	0.33
10	8.27	0.51
11	9.31	0.51
12	11.06	0.29
13	11.76	0.21
14	12.92	0.41
15	13.62	0.22
16	14.90	0.22
17	16.65	0.27
18	18.63	0.19
19	20.14	0.36
20	21.07	0.23
21	22.70	0.30
22	23.28	0.28
23	24.45	0.20
24	25.85	0.25
25	30.04	0.21
26	31.55	0.18
27	34.00	0.19
28	64.61	0.18
29	67.99	0.25
30	73.11	0.24