

Measurements

May 6, 2022

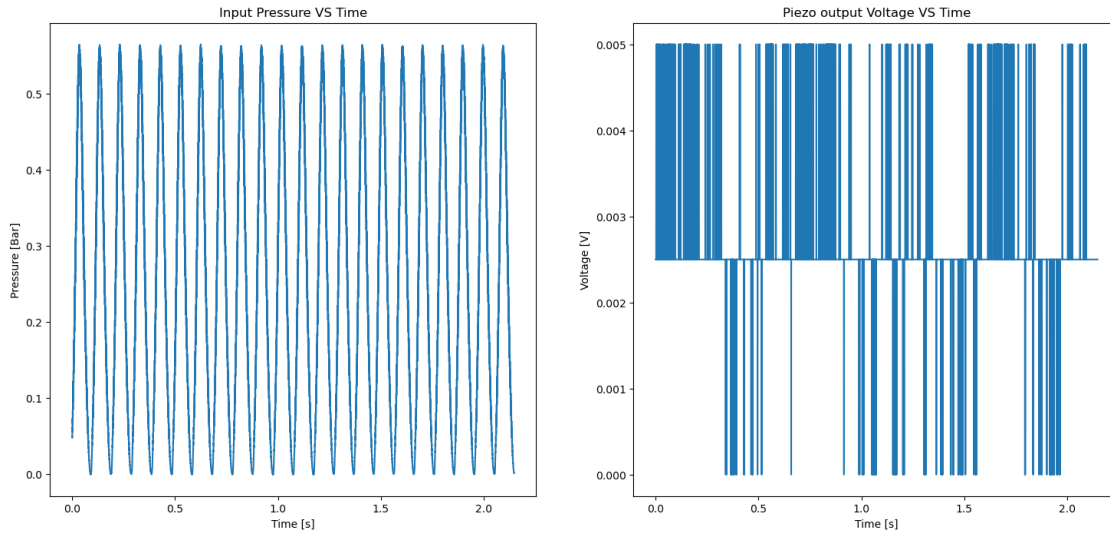
1 PARAMETERS

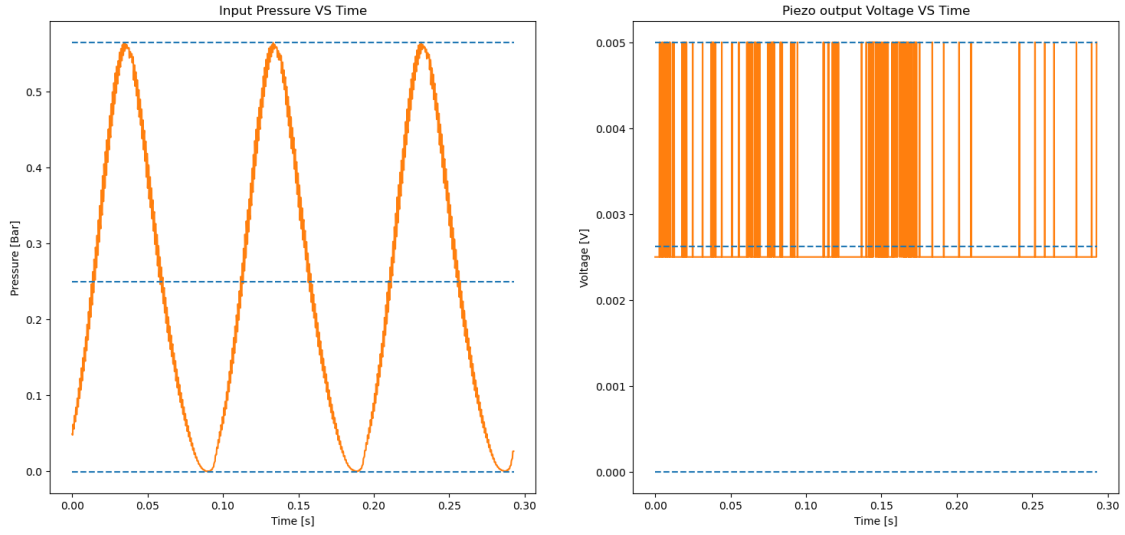
Sample name: AB-211206-085-ZNO

	Parameter	Value	Unit
0	Sample name	AB-211206-085-ZNO	
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	164.0	[Hz]

2 PRESSURE AND VOLTAGE MEASUREMENTS

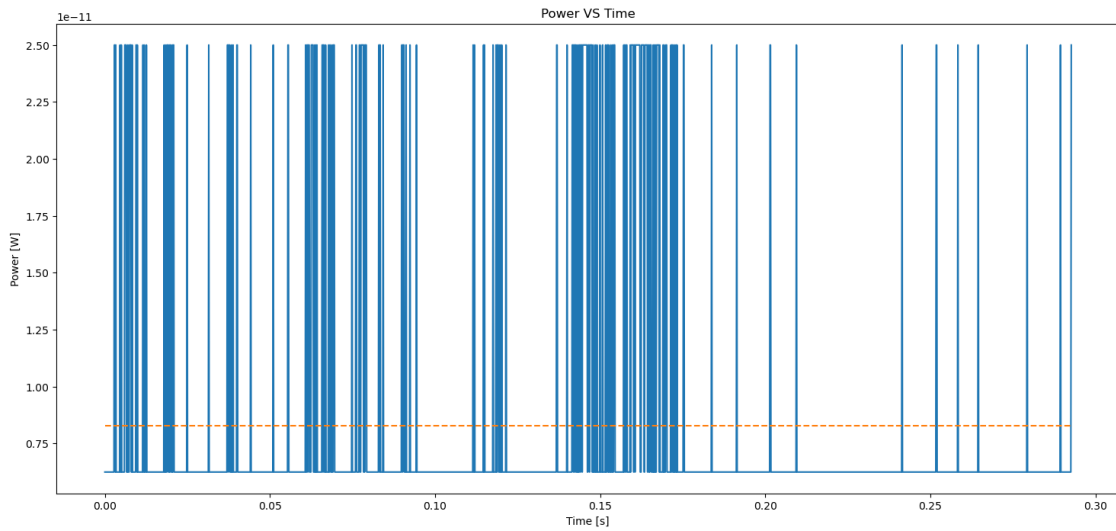
The input frequency is: 10.25 Hz





	Variable	Min	Max	Peak to peak	Mean	Mean of absolute value
0	Pressure [Bar]	-3.50e-04	5.65e-01	5.66e-01	2.49e-01	2.49e-01
1	Voltage [V]	0.00e+00	5.00e-03	5.00e-03	2.62e-03	2.62e-03

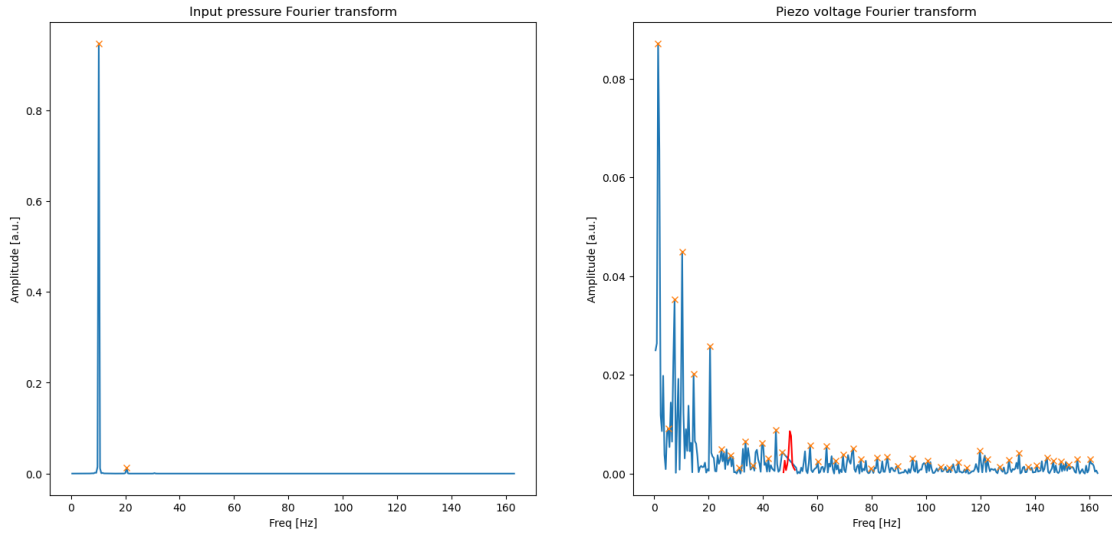
3 POWER



Mean power: 8.29e-12 [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	1.40	8.72
1	5.12	0.91
2	7.45	3.53
3	10.25	4.50
4	14.44	2.02
5	20.49	2.59
6	24.68	0.50
7	27.94	0.37
8	31.20	0.11
9	33.53	0.66
10	36.32	0.17
11	39.58	0.61
12	41.91	0.31
13	44.71	0.89
14	47.03	0.44
15	57.28	0.57
16	60.07	0.24
17	63.33	0.55
18	66.59	0.27
19	69.39	0.38
20	73.11	0.51
21	75.91	0.29
22	79.63	0.11
23	81.96	0.33
24	85.69	0.34
25	89.41	0.15
26	95.00	0.32
27	100.59	0.27
28	105.25	0.14
29	108.51	0.12
30	111.77	0.24
31	115.03	0.11
32	119.68	0.47
33	122.48	0.29
34	127.13	0.14
35	130.39	0.27
36	134.12	0.41
37	137.38	0.13
38	140.64	0.17
39	144.36	0.32
40	146.69	0.25
41	149.49	0.24
42	152.28	0.18
43	155.54	0.29
44	160.20	0.29

4.2 Pressure frequency peaks

	Freq [Hz]	Amplitude percentage
0	10.25	94.68
1	20.49	1.26