Measurements

April 22, 2022
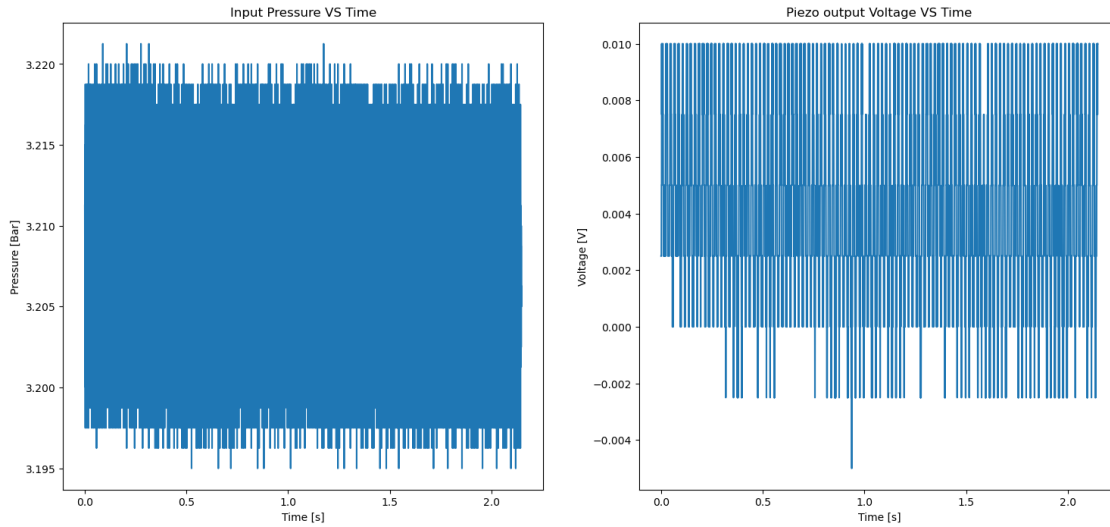
1 PARAMETERS
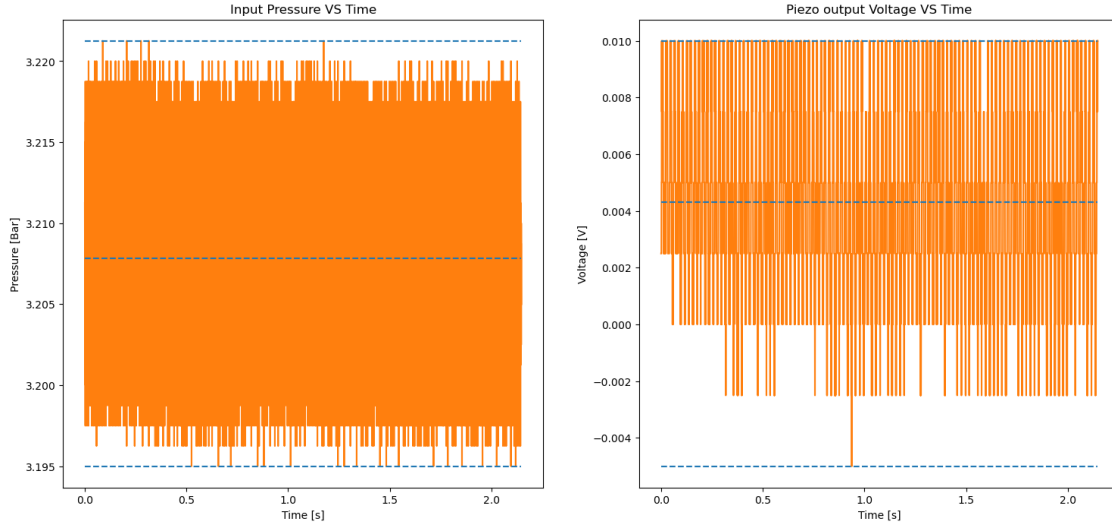
Sample name: ES.PVDV.E0.0m.100nm

	Parameter	Value	Unit
0	Sample name	ES.PVDV.E0.0m.100nm	
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	100.0	[Hz]

2 PRESSURE AND VOLTAGE MEASUREMENTS

The input frequency is: 0.93 Hz

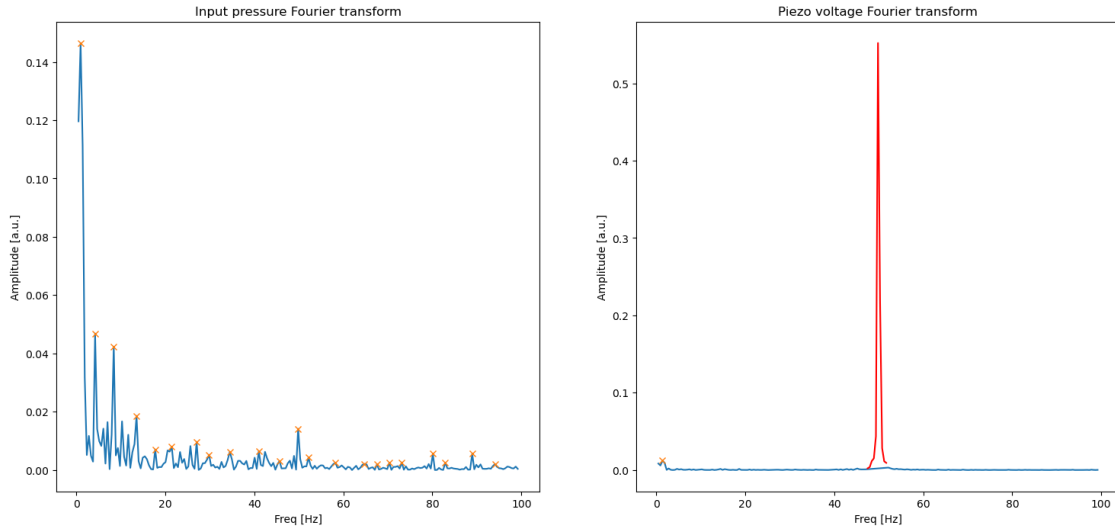|	Variable	Min	Max	Peak to peak	Mean	Mean of absolute value
0	Pressure [Bar]	3.19e+00	3.22e+00	2.63e-02	3.21e+00	3.21e+00
1	Voltage [V]	-5.00e-03	1.00e-02	1.50e-02	4.30e-03	4.41e-03

3 POWER
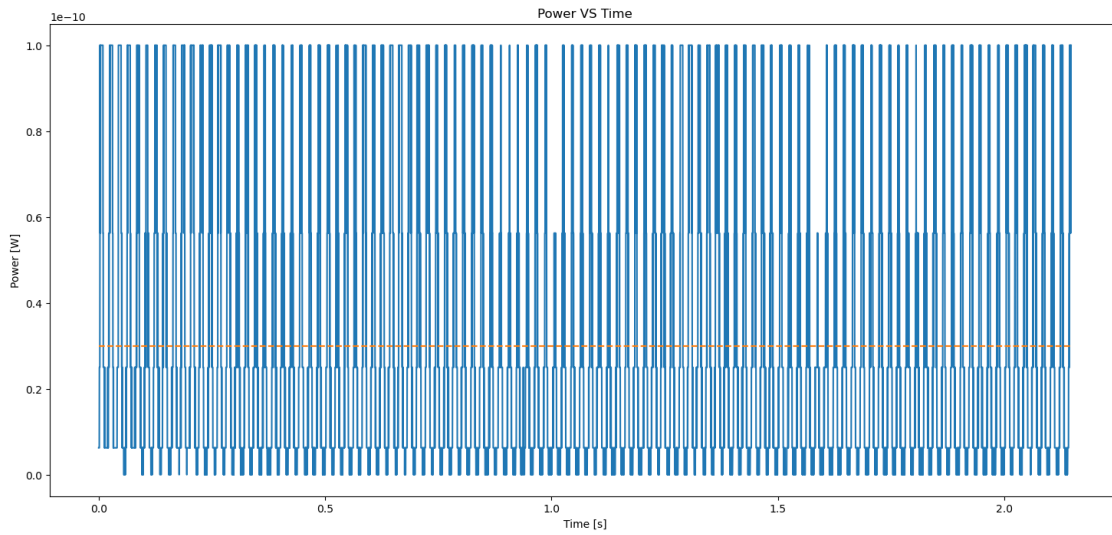
Mean power: 2.99e-11 [W]

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	1.21

4.2   Pressure frequency peaks

	Freq [Hz]	Amplitude percentage
0	0.93	14.65
1	4.19	4.69
2	8.38	4.23
3	13.51	1.86
4	17.70	0.71
5	21.42	0.80
6	27.01	0.97
7	29.80	0.52
8	34.46	0.62
9	40.98	0.65
10	45.64	0.31
11	49.83	1.41
12	52.16	0.43
13	58.21	0.24
14	64.73	0.21
15	67.53	0.19
16	70.32	0.25
17	73.11	0.26
18	80.10	0.56
19	82.89	0.25
20	88.95	0.56
21	94.07	0.20