Measurements

April 22, 2022

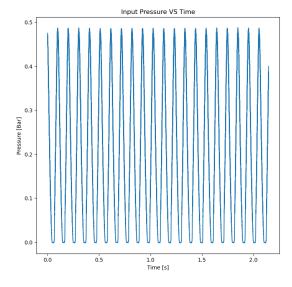
1 PARAMETERS

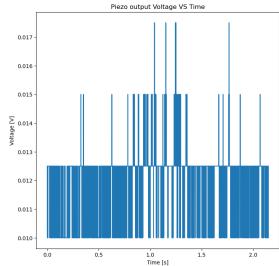
Sample name: AB-211206-085-ZNO

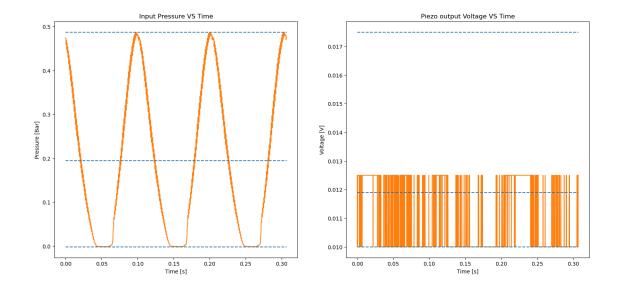
	Parameter	Value	Unit
0	Sample name	AB-211206-085-ZNO	
1	Measure duration	2.147483648	[s]
2	Rload	1000000.0	[Ohms]
3	Nb Periods	3.0	[1]
4	R Circuit	1.0	[Ohms]
5	Max Frequency	100.0	[Hz]

2 PRESSURE AND VOLTAGE MEASUREMENTS

The input frequency is: 9.78 Hz

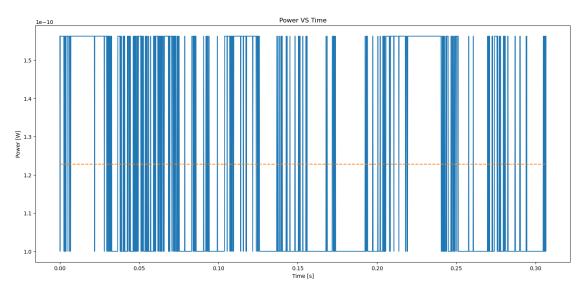






	Variable	Min	Max	Peak to peak	Mean	Mean of absolute value
0	Pressure [Bar]	-1.75e-03	4.87e-01	4.89e-01	1.94e-01	1.95e-01
1	Voltage [V]	1.00e-02	1.75 e-02	7.50e-03	1.19e-02	1.19e-02

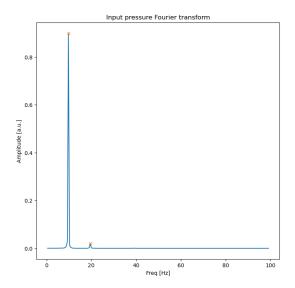
3 POWER

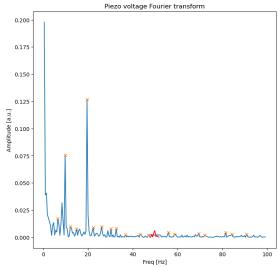


Mean power: 1.23e-10 [W]

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	6.52	1.73
1	9.78	7.57
2	12.11	0.97
3	14.90	0.78
4	19.56	12.68
5	22.35	0.91
6	26.08	0.98
7	30.27	0.79
8	32.60	0.80
9	36.79	0.23
10	43.31	0.28
11	47.03	0.21
12	55.88	0.43
13	58.68	0.29
14	69.39	0.35
15	72.18	0.21
16	81.50	0.43
17	84.29	0.29
18	90.81	0.27

4.2 Pressure frequency peaks

	Freq [Hz]	Amplitude percentage
0	9.78	89.95
1	19.56	2.04