

Measurements

May 27, 2022

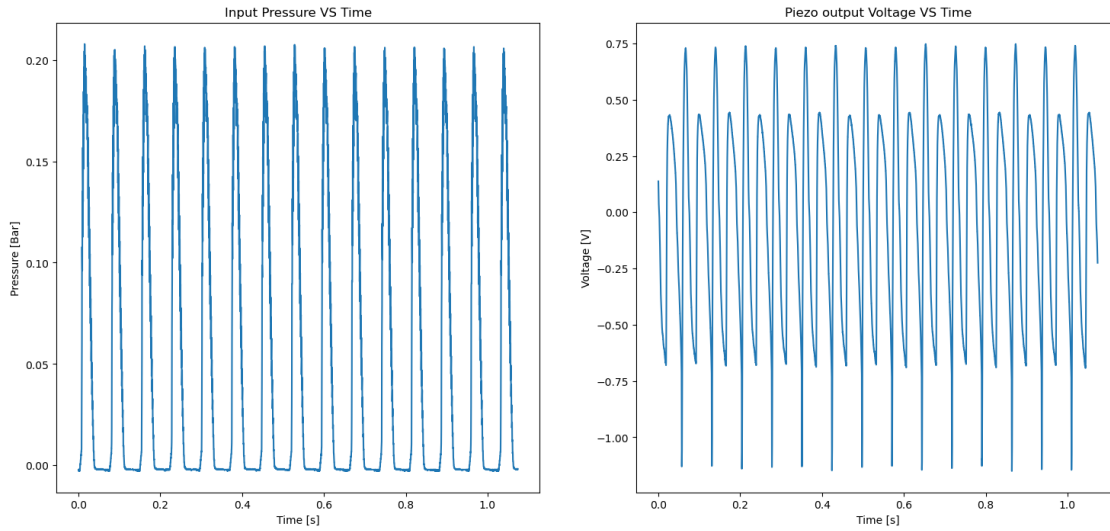
1 PARAMETERS

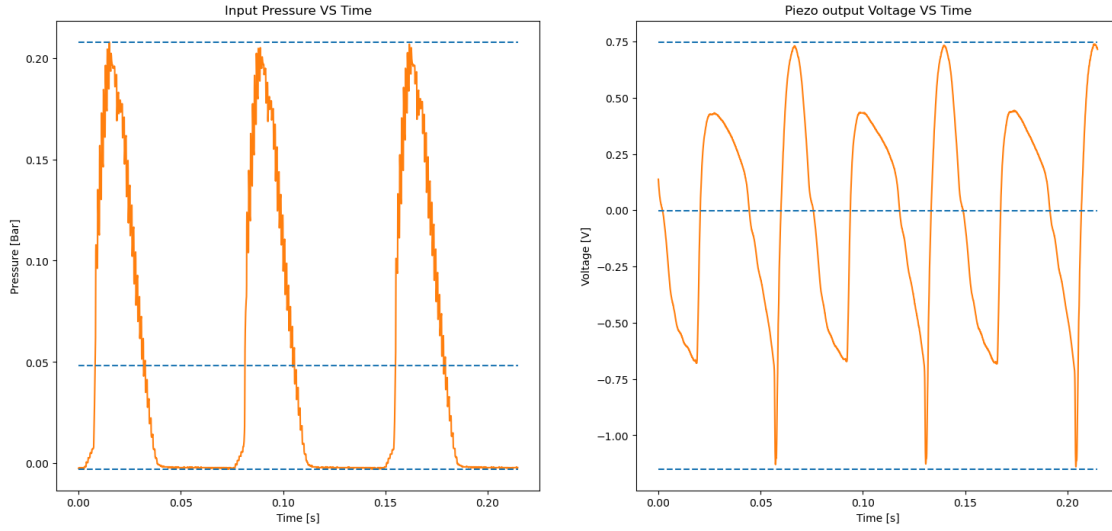
Sample name: ZNO-109-30min

	Parameter	Value	Unit
0	Sample name	ZNO-109-30min	
1	Measure duration	1.073741824	[s]
2	Rload	2000000.0	[Ohms]
3	Nb Periods	3.0	[1]
4	R Circuit	1000000.0	[Ohms]
5	Max Frequency	100.0	[Hz]

2 PRESSURE AND VOLTAGE MEASUREMENTS

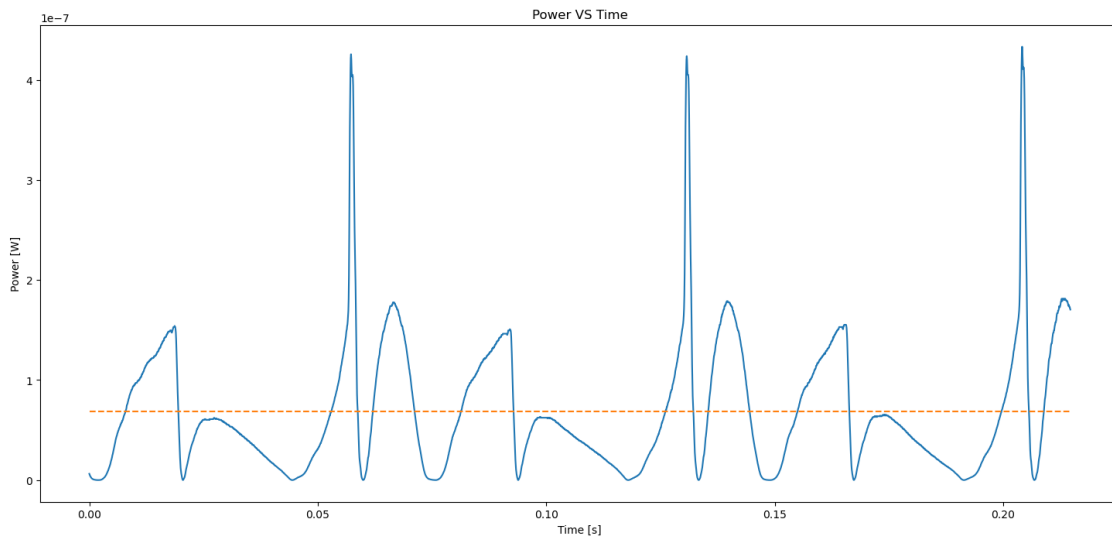
The input frequency is: 13.97 Hz





	Variable	Min	Max	Peak to peak	Mean	Mean of absolute value
0	Pressure [Bar]	-2.80e-03	2.08e-01	2.11e-01	4.84e-02	5.05e-02
1	Voltage [V]	-1.15e+00	7.48e-01	1.90e+00	-2.51e-03	3.99e-01

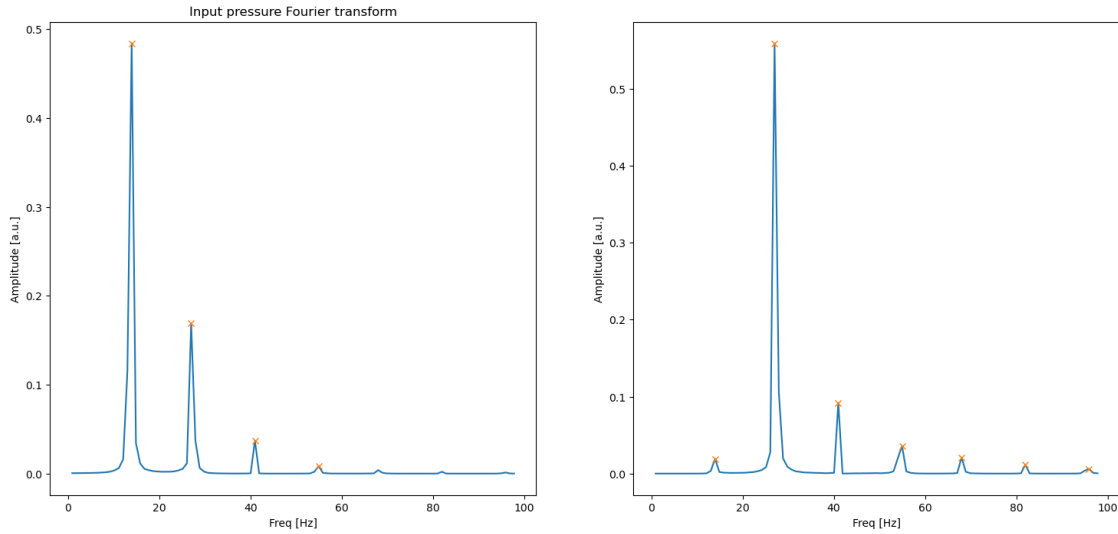
3 POWER



Mean power: 6.84e-08 [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	13.97	1.92
1	27.01	55.89
2	40.98	9.18
3	54.95	3.60
4	67.99	2.10
5	81.96	1.17
6	95.93	0.61

4.2 Pressure frequency peaks

	Freq [Hz]	Amplitude percentage
0	13.97	48.39
1	27.01	16.87
2	40.98	3.71
3	54.95	0.83