

Measurements

April 22, 2022

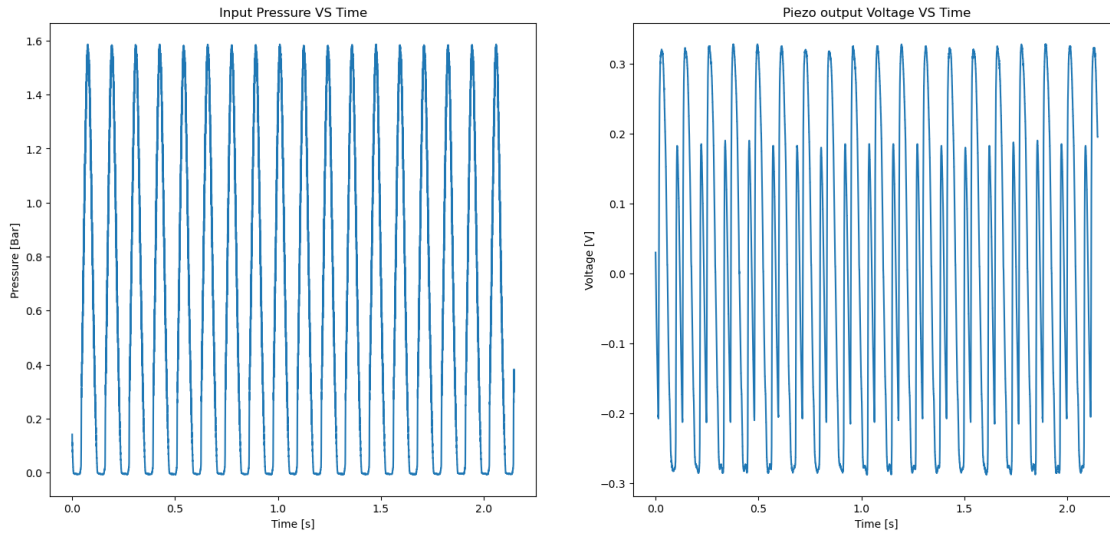
1 PARAMETERS

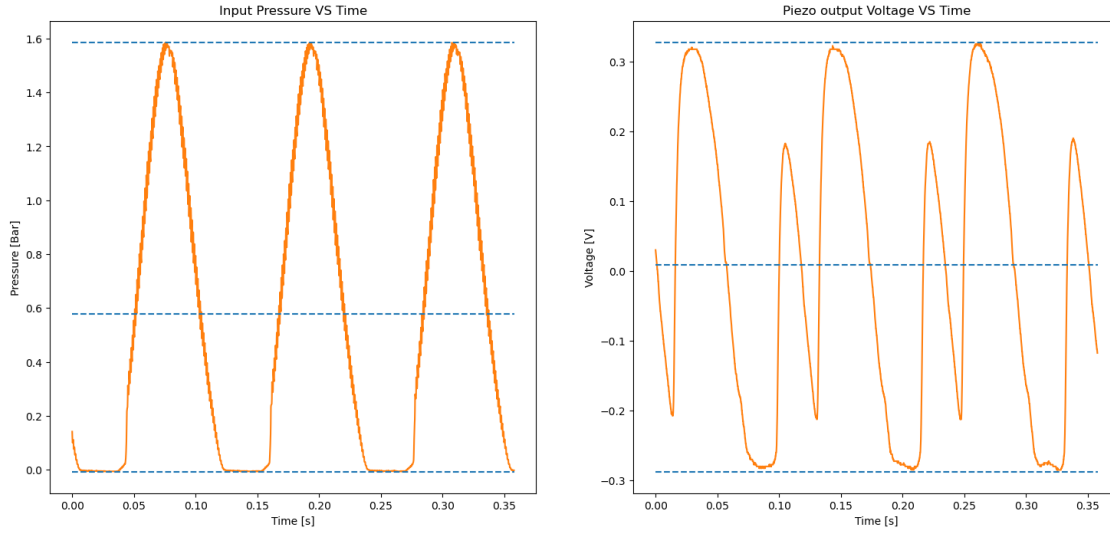
Sample name: ES.PVDV.E9.45m.100nm

	Parameter	Value	Unit
0	Sample name	ES.PVDV.E9.45m.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

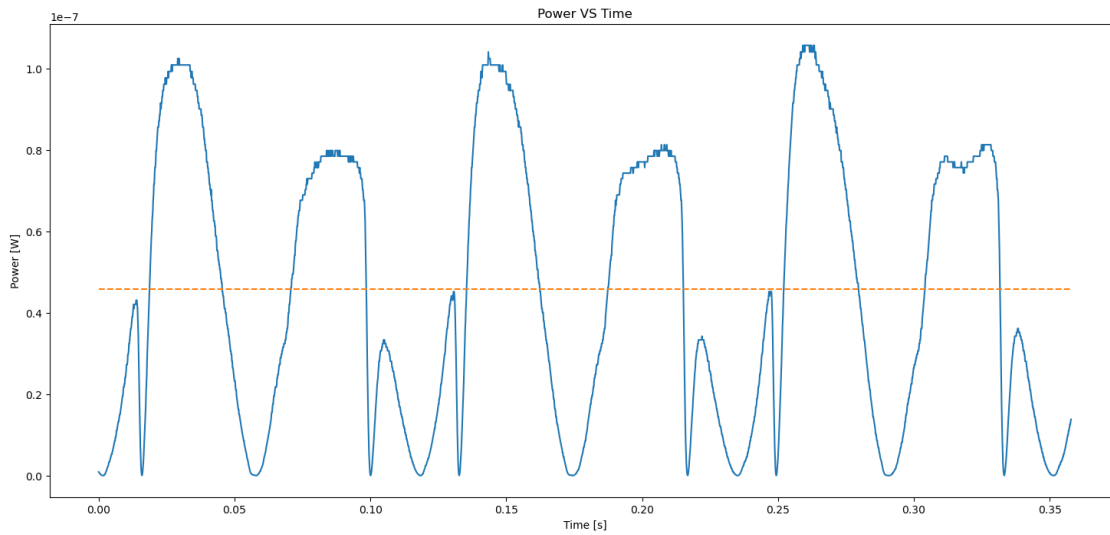
The input frequency is: 8.38 Hz





	Variable	Min	Max	Peak to peak	Mean	Mean of absolute value
0	Pressure [Bar]	-7.50e-03	1.59e+00	1.59e+00	5.77e-01	5.79e-01
1	Voltage [V]	-2.87e-01	3.28e-01	6.15e-01	9.12e-03	1.95e-01

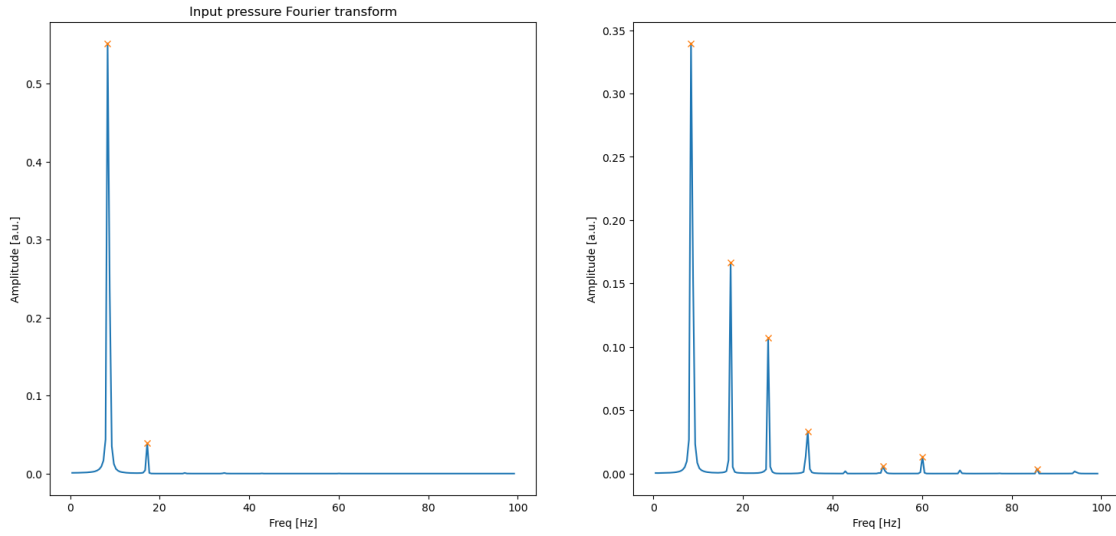
3 POWER



Mean power: 4.57e-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	8.38	33.96
1	17.23	16.64
2	25.61	10.70
3	34.46	3.33
4	51.23	0.57
5	60.07	1.34
6	85.69	0.38

4.2 Pressure frequency peaks

	Freq [Hz]	Amplitude percentage
0	8.38	55.16
1	17.23	3.90