

Measurements

April 22, 2022

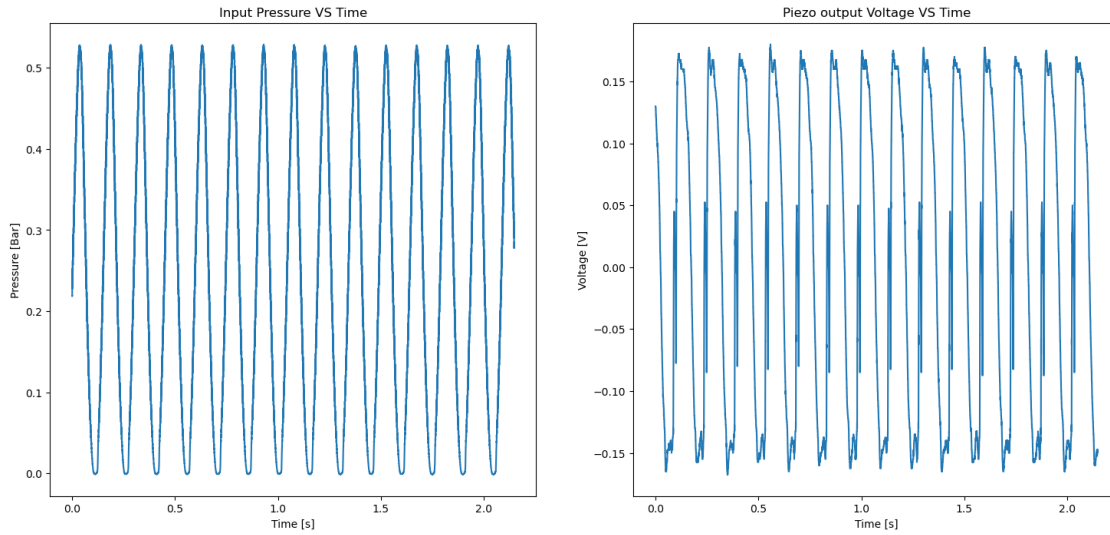
1 PARAMETERS

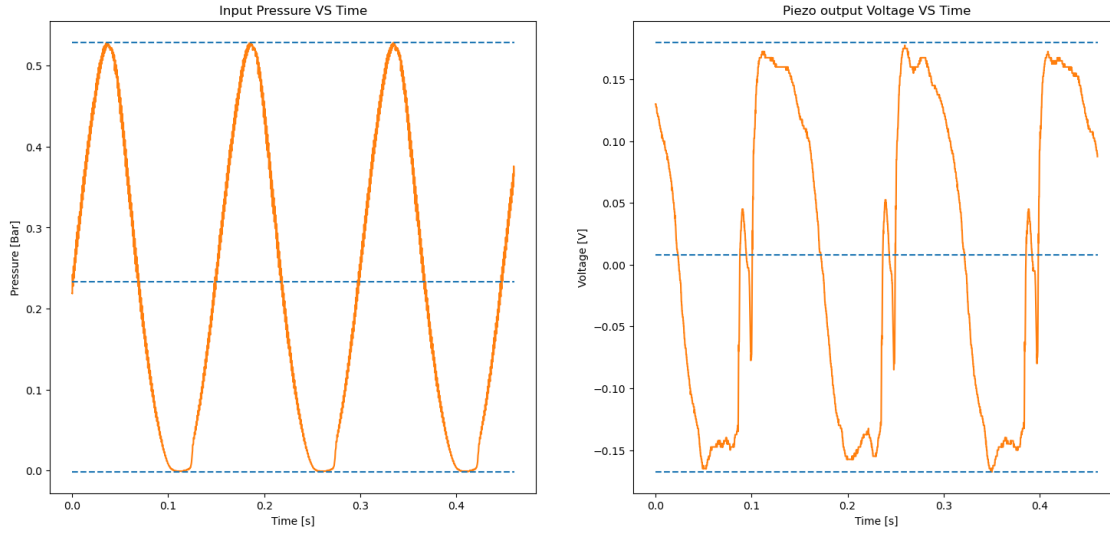
Sample name: ES.PVDV.E0.0m.100nm

	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

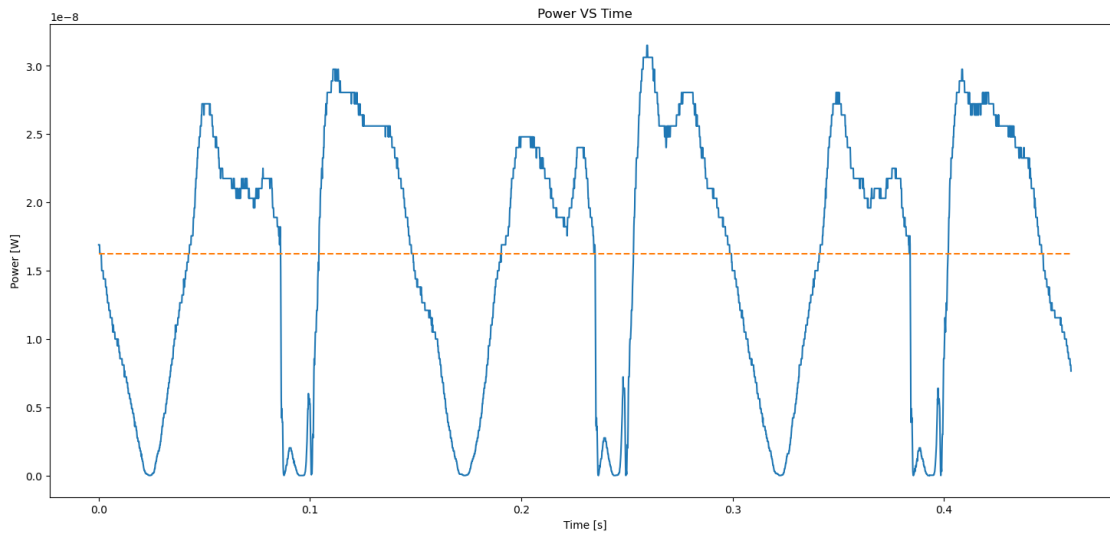
The input frequency is: 6.52 Hz





	Variable	Min	Max	Peak to peak	Mean	Mean of absolute value
0	Pressure [Bar]	-1.40e-03	5.29e-01	5.30e-01	2.34e-01	2.34e-01
1	Voltage [V]	-1.68e-01	1.80e-01	3.48e-01	8.24e-03	1.17e-01

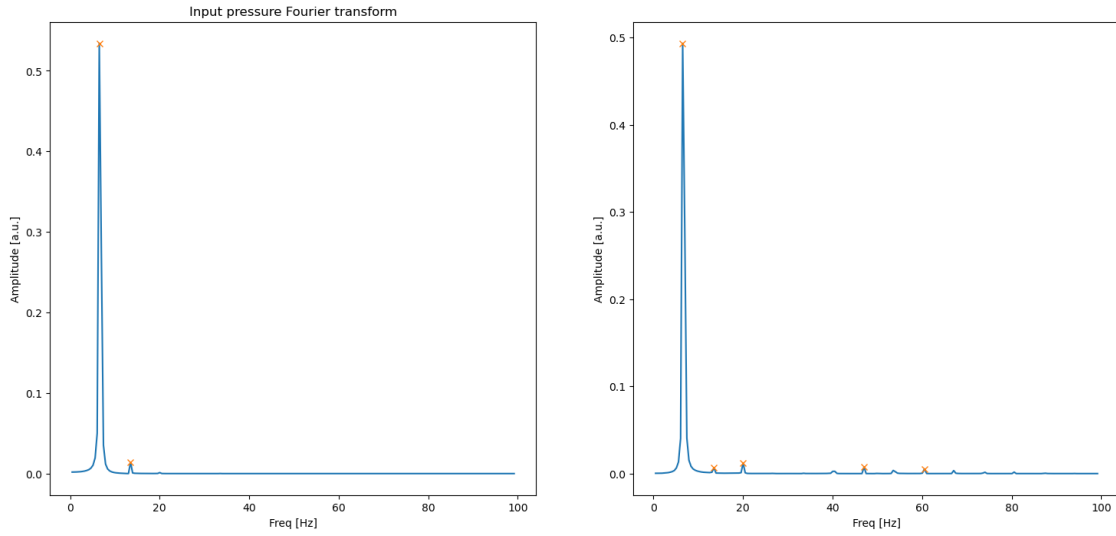
3 POWER



Mean power: 1.62e-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	6.52	49.35
1	13.51	0.66
2	20.02	1.19
3	47.03	0.75
4	60.54	0.54

4.2 Pressure frequency peaks

	Freq [Hz]	Amplitude percentage
0	6.52	53.40
1	13.51	1.40