

Measurements

April 22, 2022

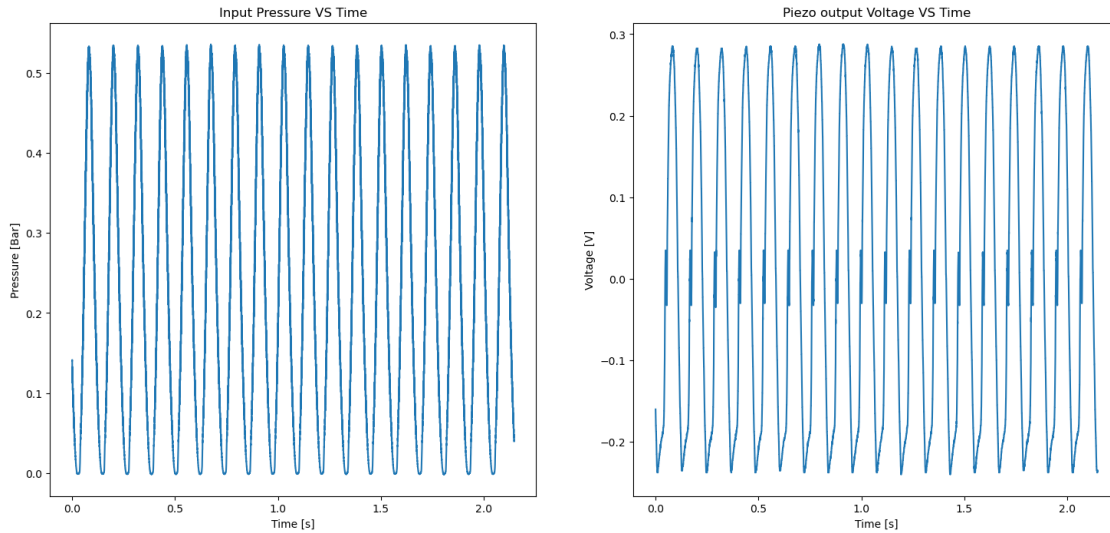
1 PARAMETERS

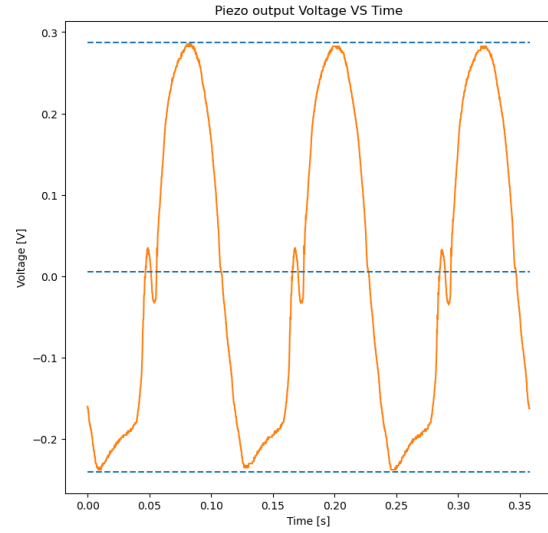
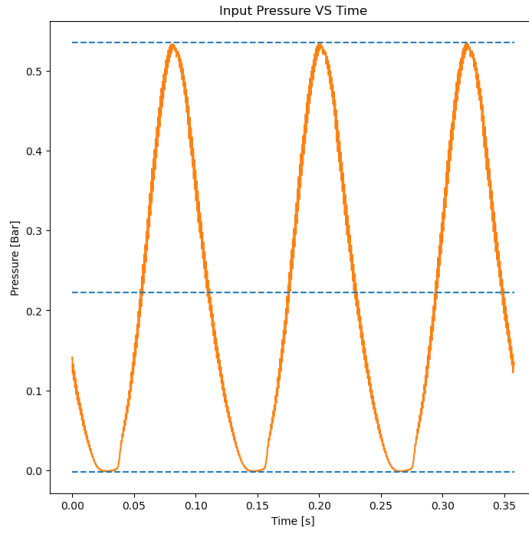
Sample name: ES.PVDV.E0.0m.100nm

	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

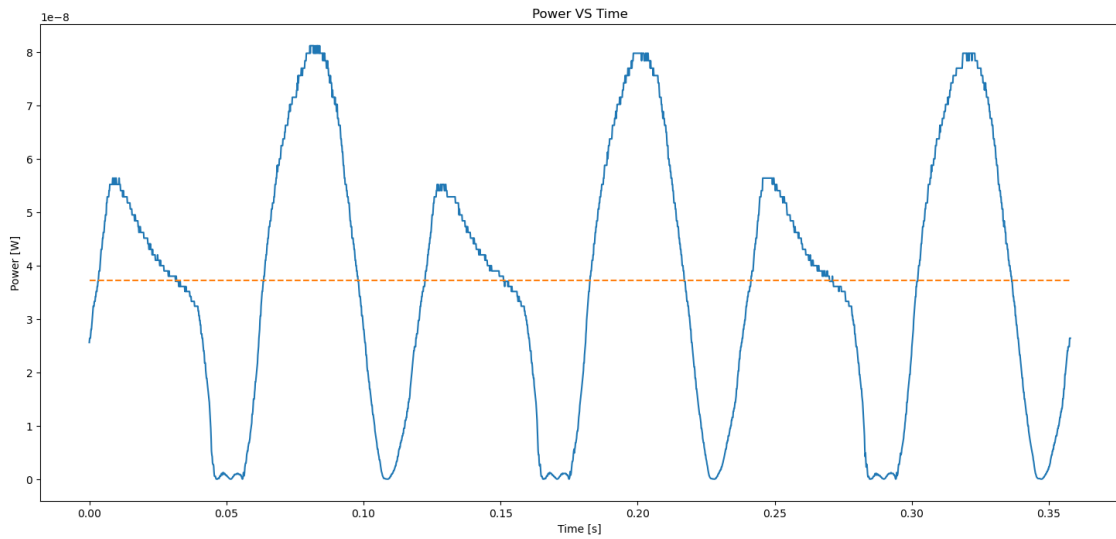
The input frequency is: 8.38 Hz





	Variable	Min	Max	Peak to peak	Mean	Mean of absolute value
0	Pressure [Bar]	-1.75e-03	5.35e-01	5.37e-01	2.23e-01	2.23e-01
1	Voltage [V]	-2.40e-01	2.87e-01	5.27e-01	5.99e-03	1.76e-01

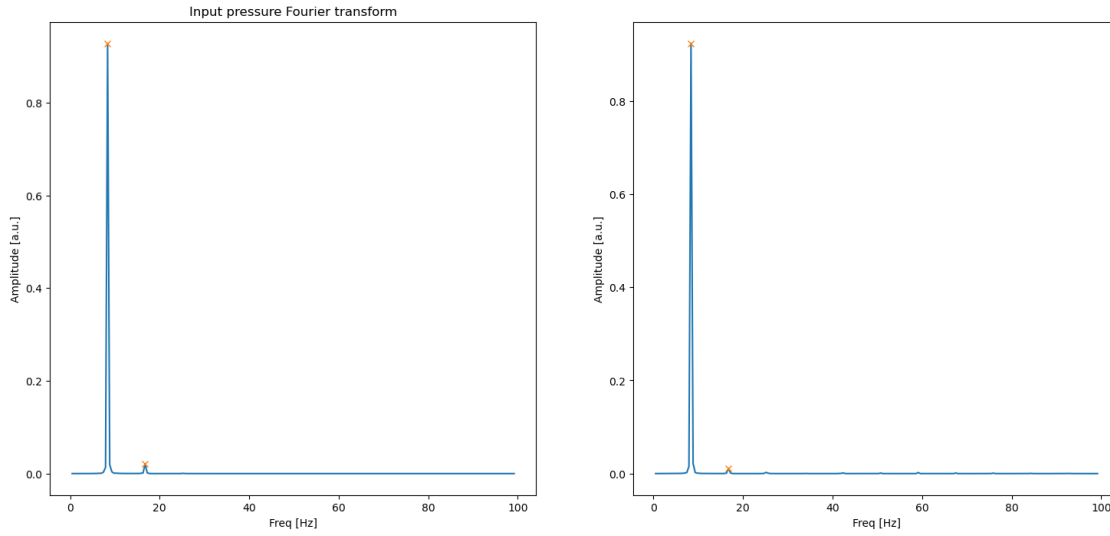
3 POWER



Mean power: 3.72×10^{-8} [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	92.34
1	16.76	1.13

4.2 Pressure frequency peaks

	Freq [Hz]	Amplitude percentage
0	8.38	92.78
1	16.76	2.08