

Measurements

April 22, 2022

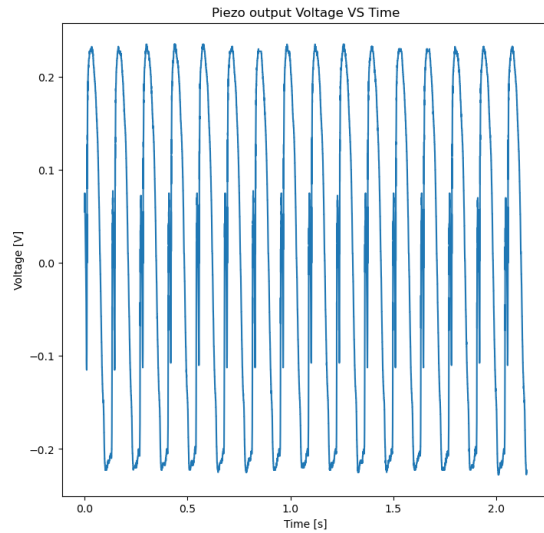
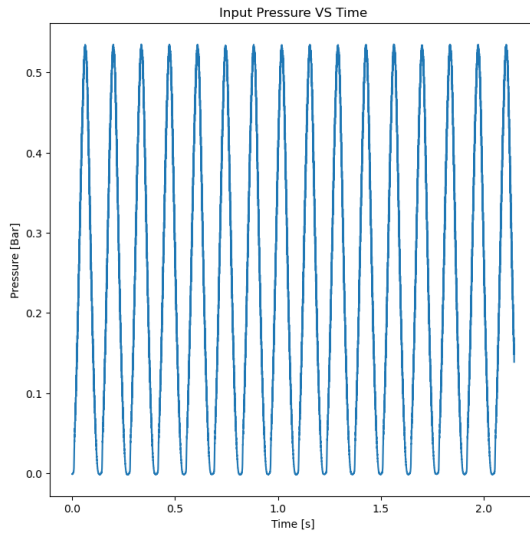
1 PARAMETERS

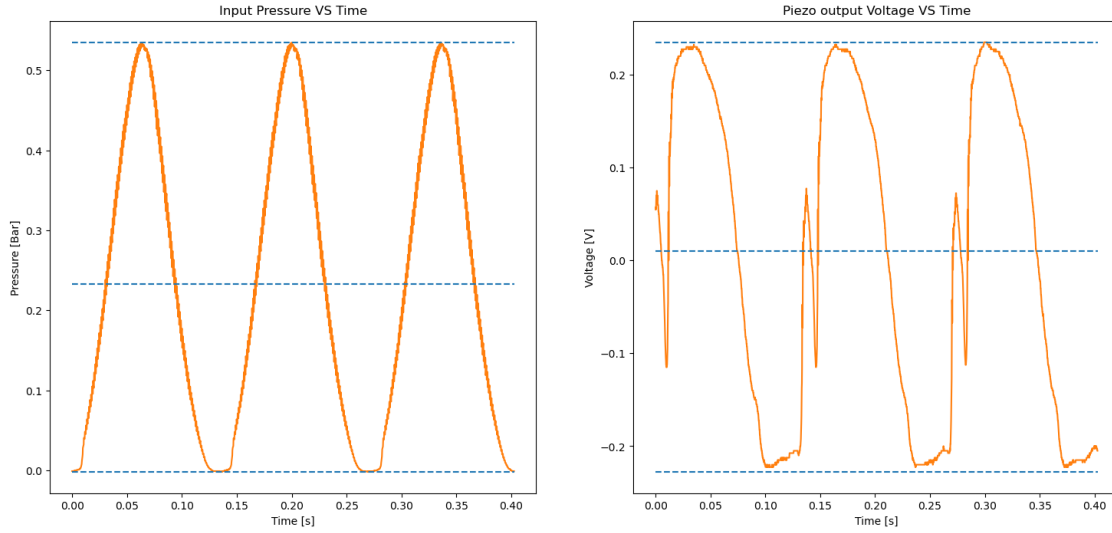
Sample name: ES.PVDV.E0.0m.100nm

	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

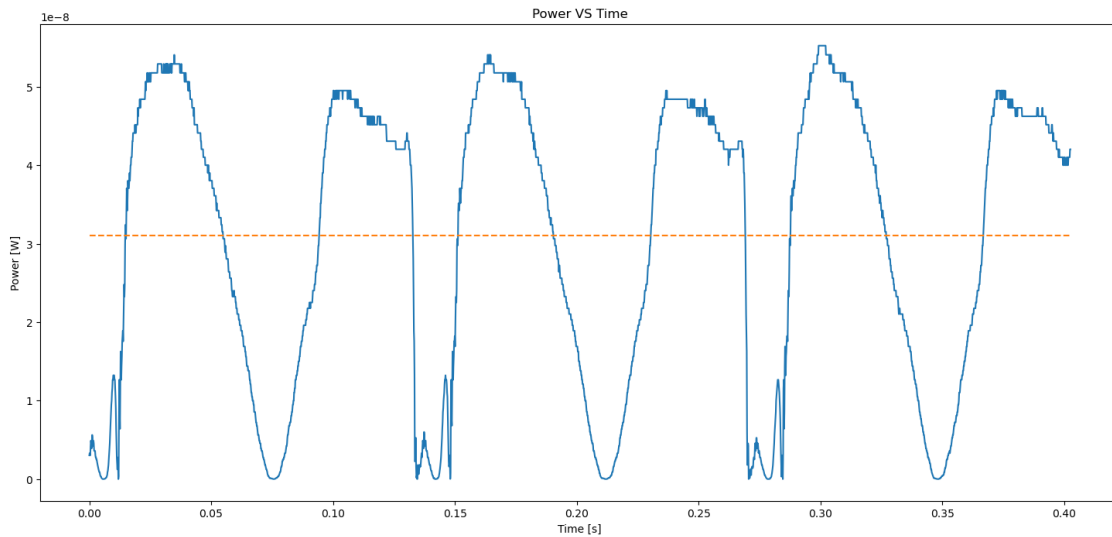
The input frequency is: 7.45 Hz





	Variable	Min	Max	Peak to peak	Mean	Mean of absolute value
0	Pressure [Bar]	-1.40e-03	5.35e-01	5.36e-01	2.33e-01	2.33e-01
1	Voltage [V]	-2.28e-01	2.35e-01	4.63e-01	1.01e-02	1.60e-01

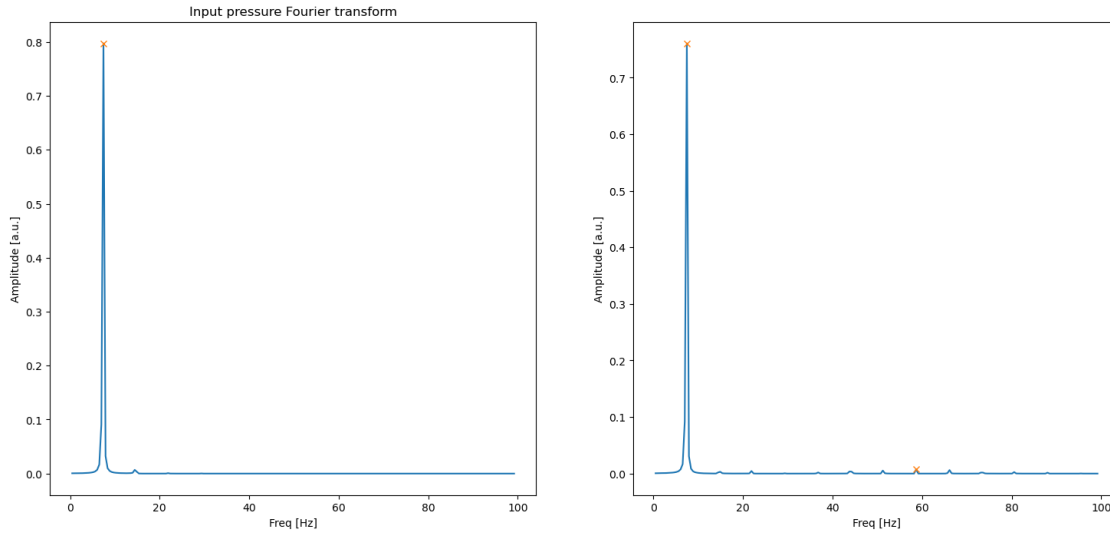
3 POWER



Mean power: 3.11e-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	7.45	76.07
1	58.68	0.76

4.2 Pressure frequency peaks

	Freq [Hz]	Amplitude percentage
0	7.45	79.73