Measurements

April 22, 2022
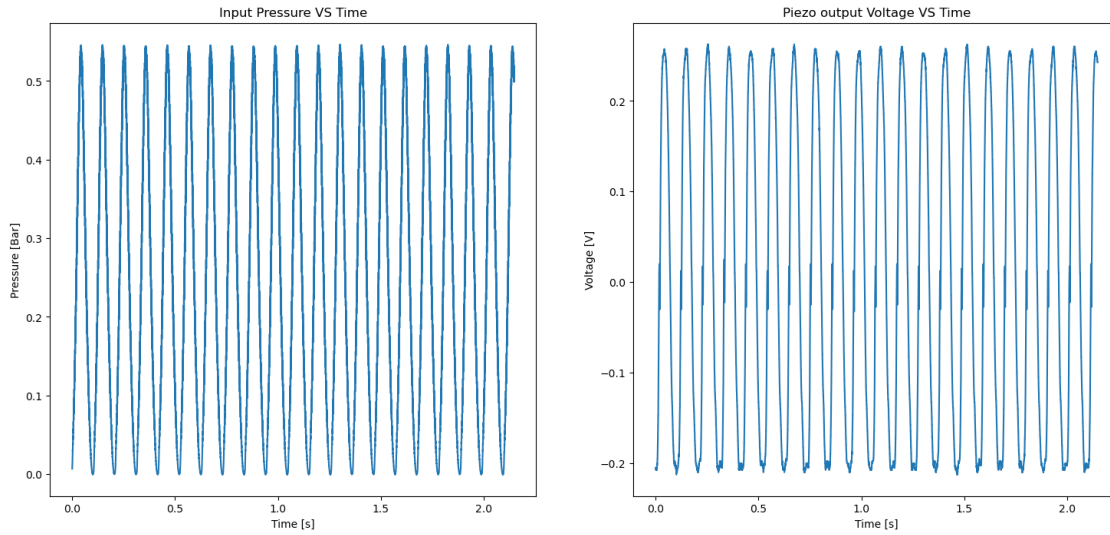
1 PARAMETERS
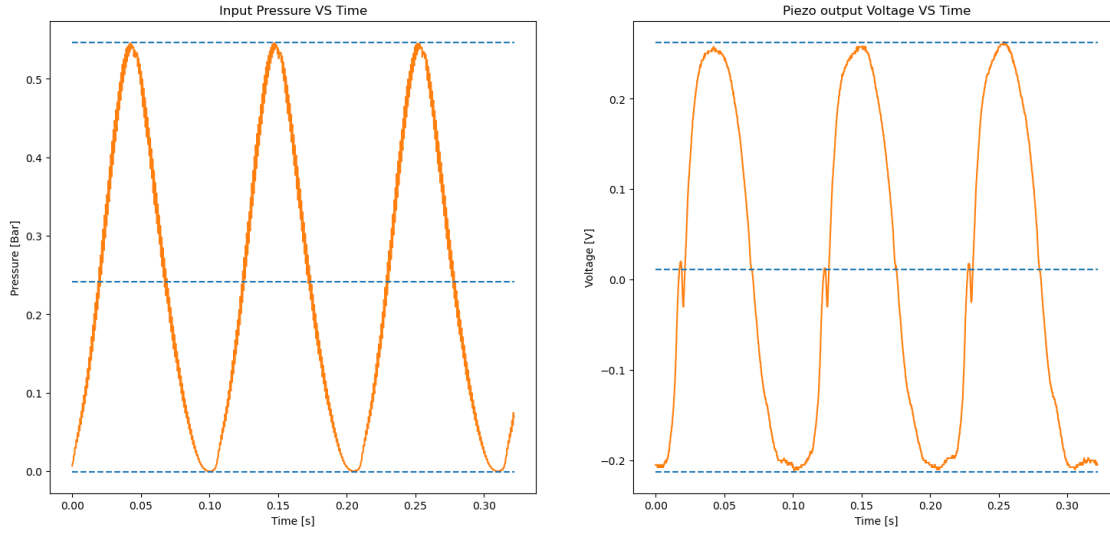
Sample name: ES.PVDV.E0.0m.100nm

	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: 9.31 Hz

	Variable	Min	Max	Peak to peak	Mean	Mean of absolute value
0	Pressure [Bar]	-7.00e-04	5.47e-01	5.47e-01	2.41e-01	2.41e-01
1	Voltage [V]	-2.12e-01	2.63e-01	4.75e-01	1.12e-02	1.68e-01

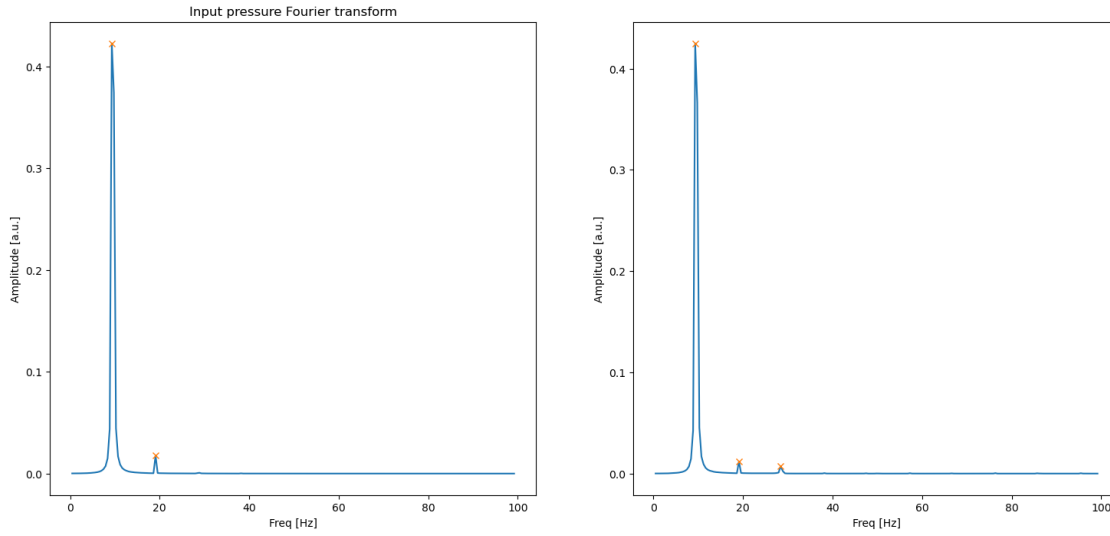# 3 POWER
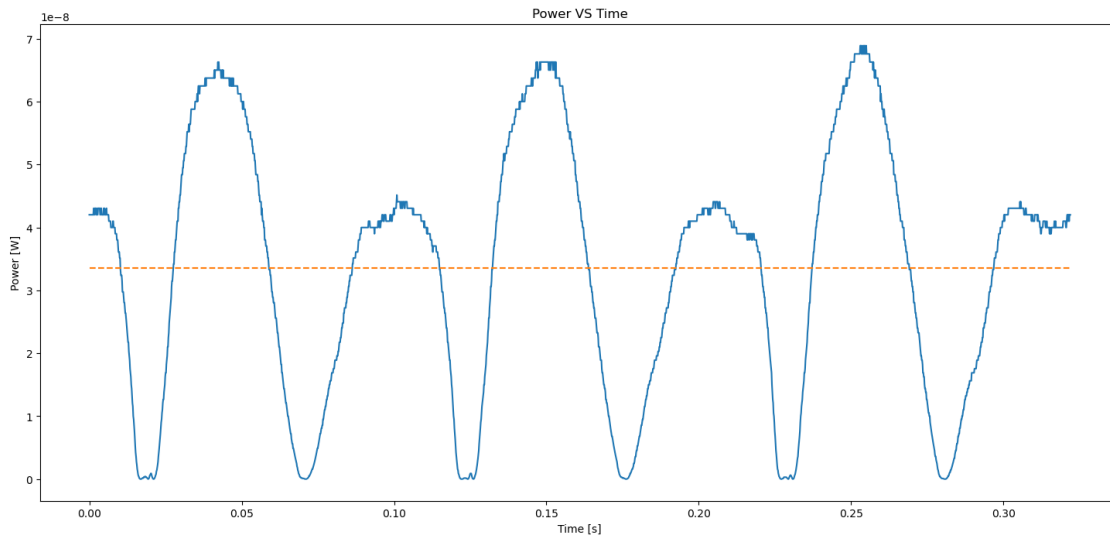
Mean power: 3.36e-08 [W]

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	9.31	42.49
1	19.09	1.19
2	28.41	0.72

4.2   Pressure frequency peaks

	Freq [Hz]	Amplitude percentage
0	9.31	42.28
1	19.09	1.77