Measurements

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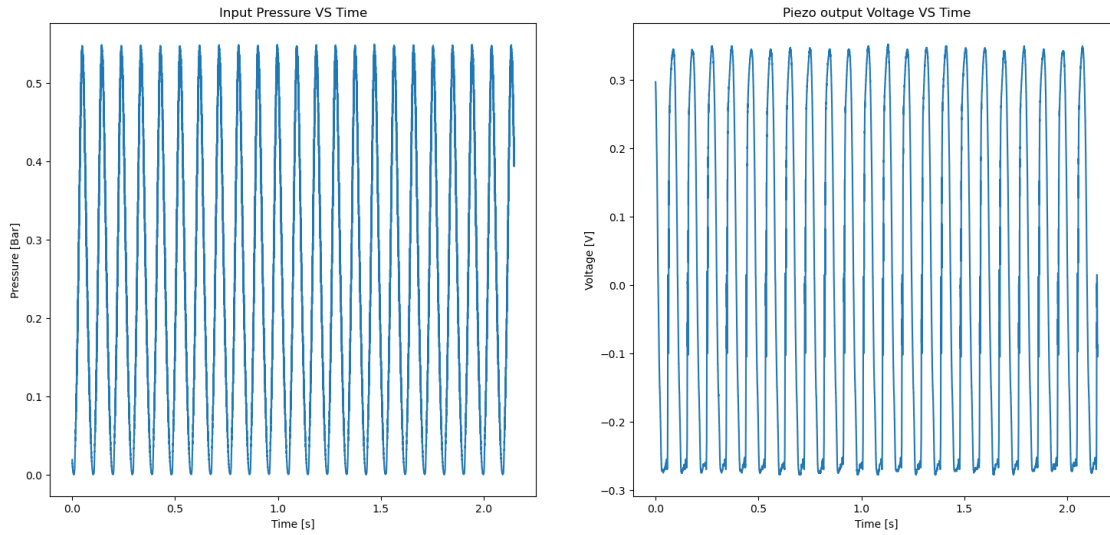
1 PARAMETERS
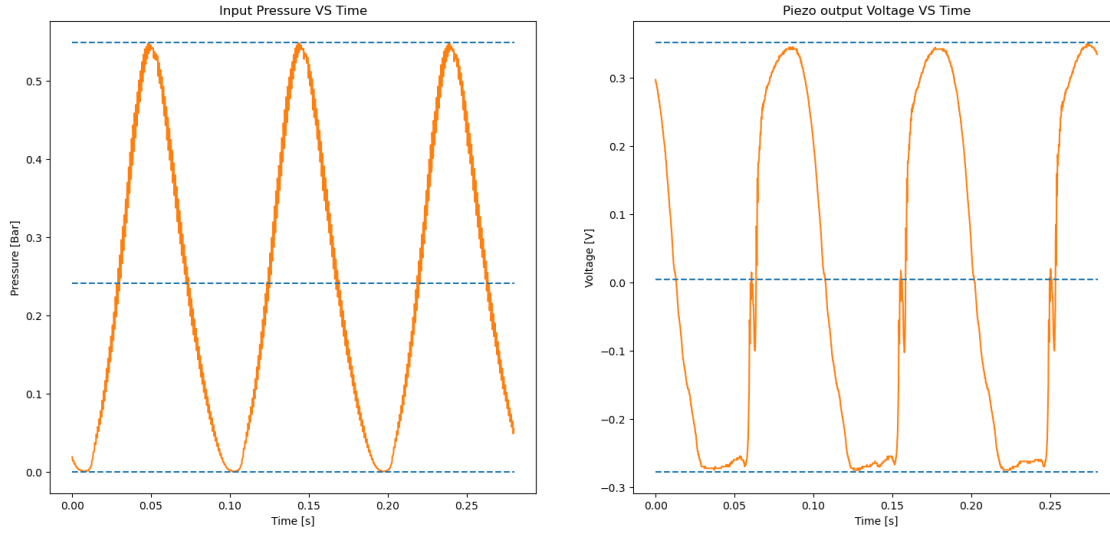
Sample name: ES.PVDV.E0.0m.100nm

	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: 10.71 Hz

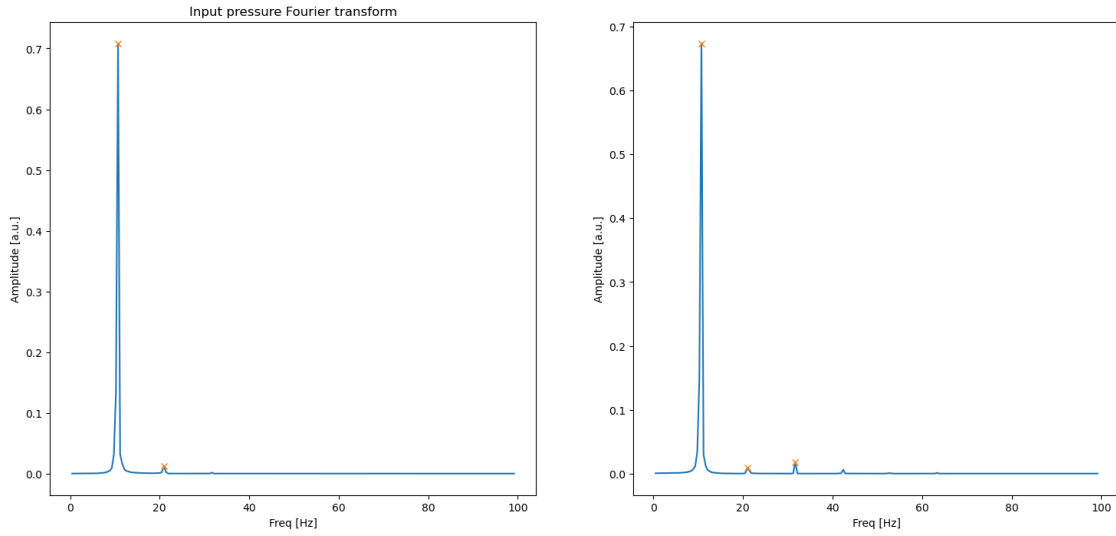|	Variable	Min	Max	Peak to peak	Mean	Mean of absolute value
0	Pressure [Bar]	0.00e+00	5.49e-01	5.49e-01	2.40e-01	2.40e-01
1	Voltage [V]	-2.78e-01	3.52e-01	6.30e-01	4.01e-03	2.33e-01

3 POWER
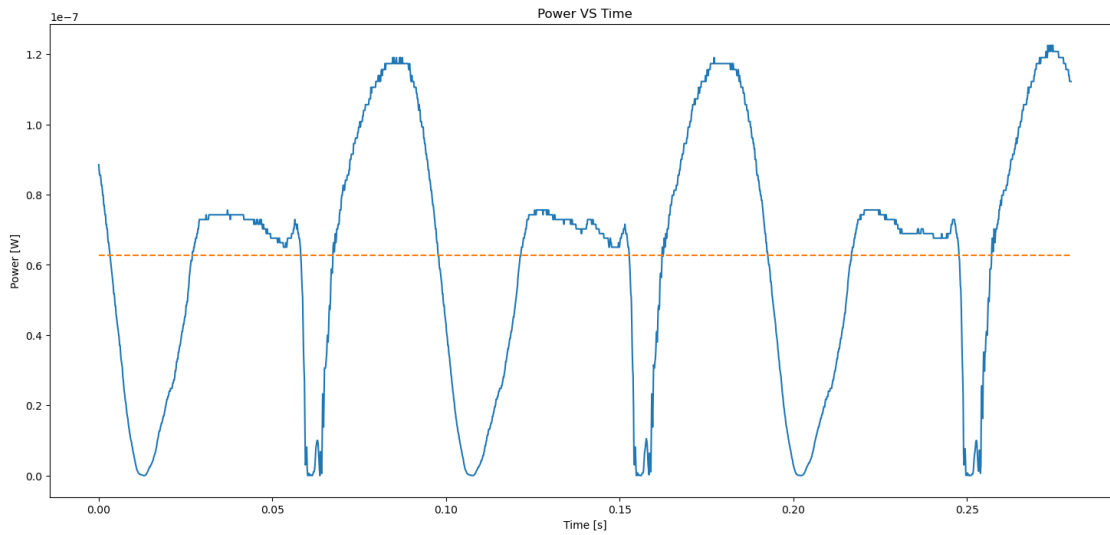
Mean power: 6.28e-08 [W]

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	10.71	67.40
1	20.96	0.87
2	31.67	1.83

4.2 Pressure frequency peaks

	Freq [Hz]	Amplitude percentage
0	10.71	70.85
1	20.96	1.27