

Measurements

April 22, 2022

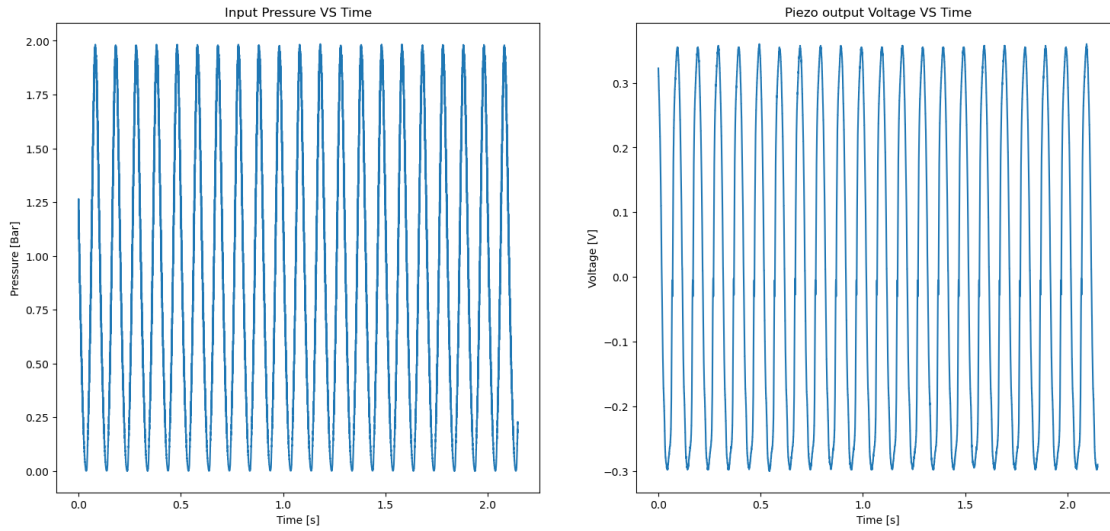
1 PARAMETERS

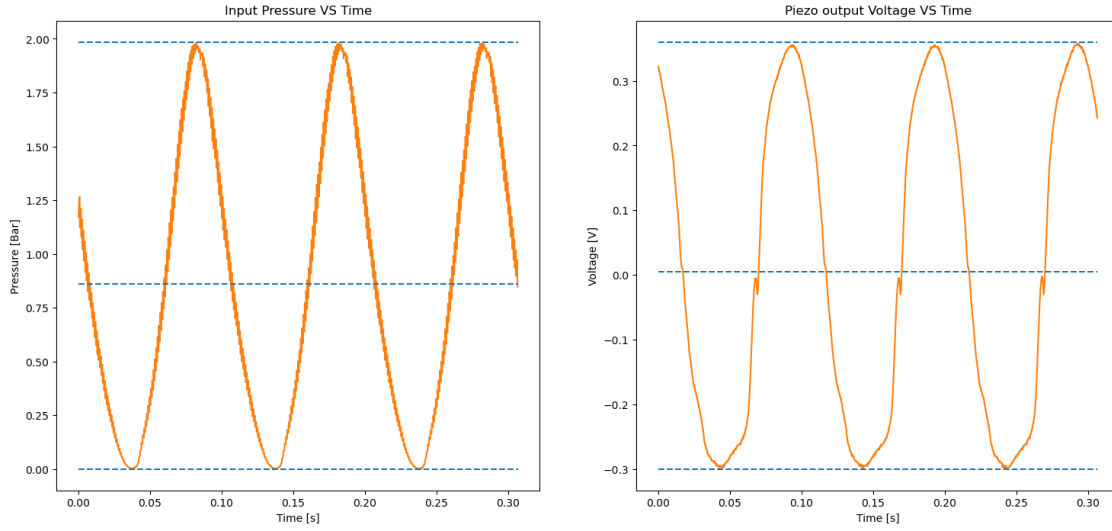
Sample name: ES.PVDV.E9.45m.100nm

	Parameter	Value	Unit
0	Sample name	ES.PVDV.E9.45m.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

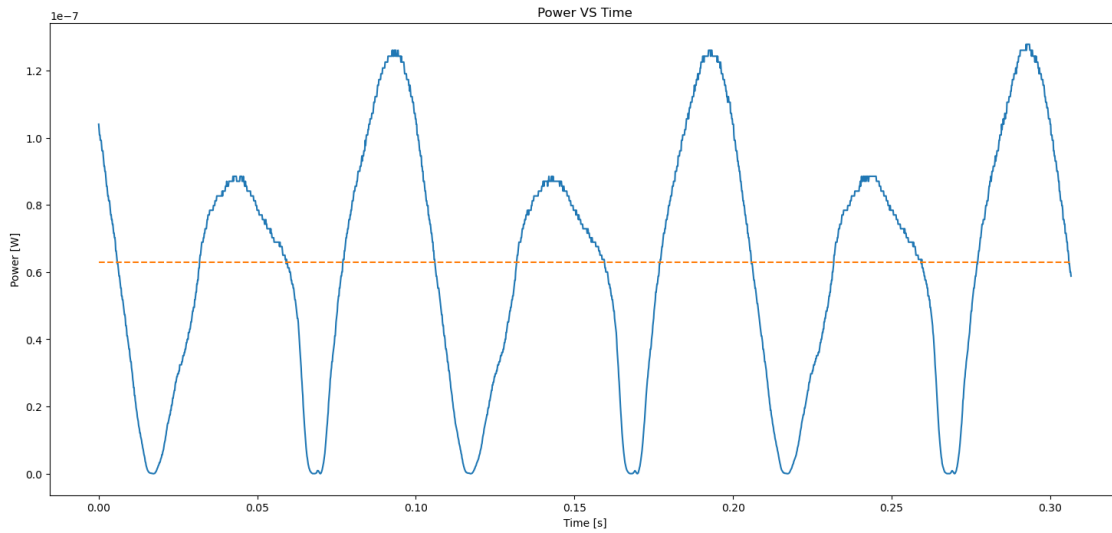
The input frequency is: 9.78 Hz





	Variable	Min	Max	Peak to peak	Mean	Mean of absolute value
0	Pressure [Bar]	0.00e+00	1.99e+00	1.99e+00	8.61e-01	8.61e-01
1	Voltage [V]	-3.00e-01	3.60e-01	6.60e-01	4.47e-03	2.31e-01

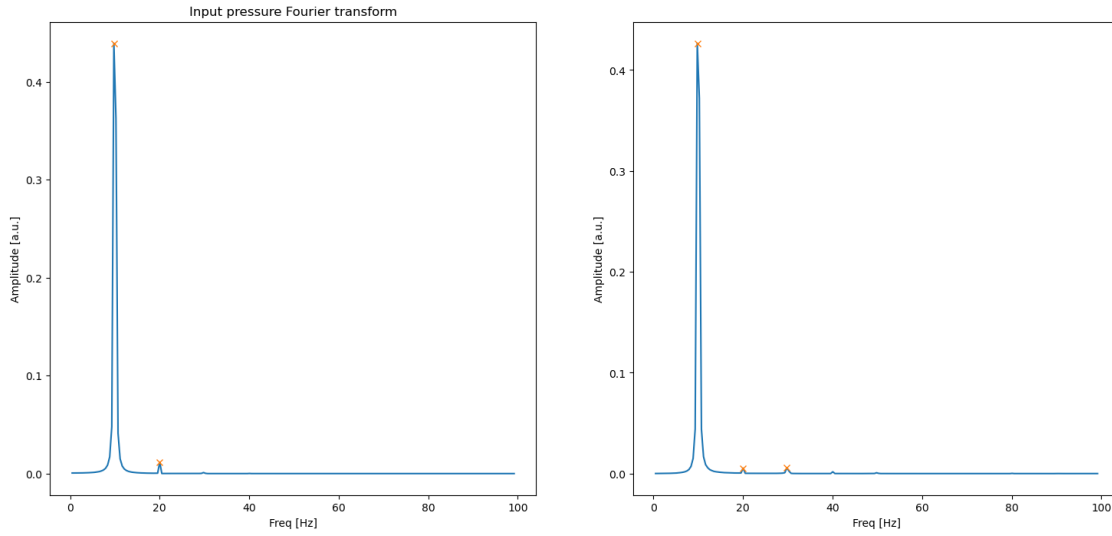
3 POWER



Mean power: 6.29e-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	9.78	42.64
1	20.02	0.54
2	29.80	0.58

4.2 Pressure frequency peaks

	Freq [Hz]	Amplitude percentage
0	9.78	43.92
1	20.02	1.17