

Measurements

April 22, 2022

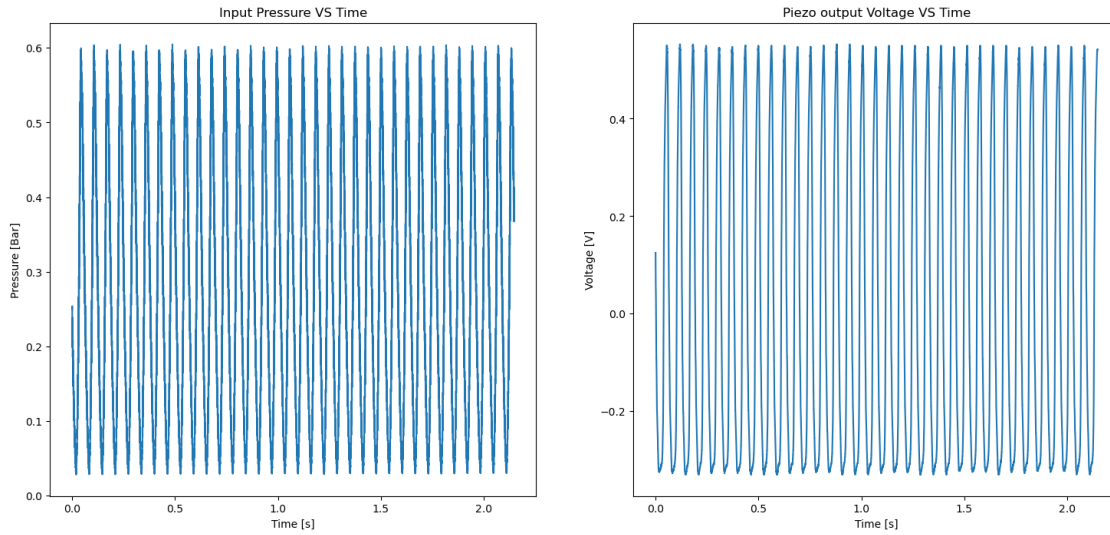
1 PARAMETERS

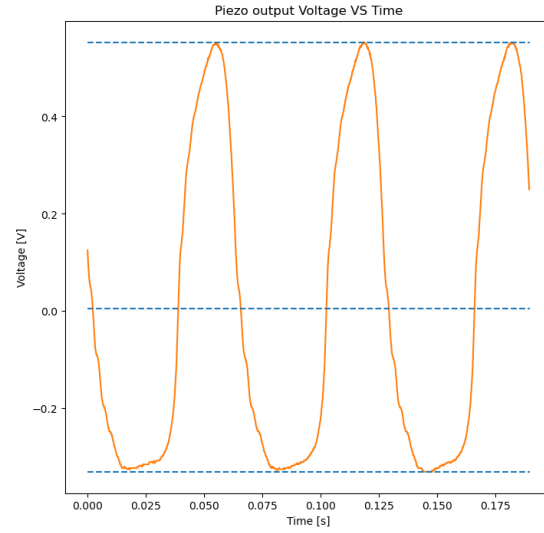
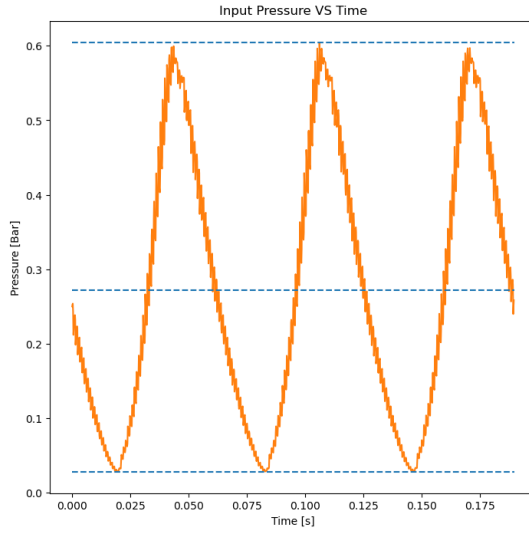
Sample name: ES.PVDV.E0.0m.100nm

	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

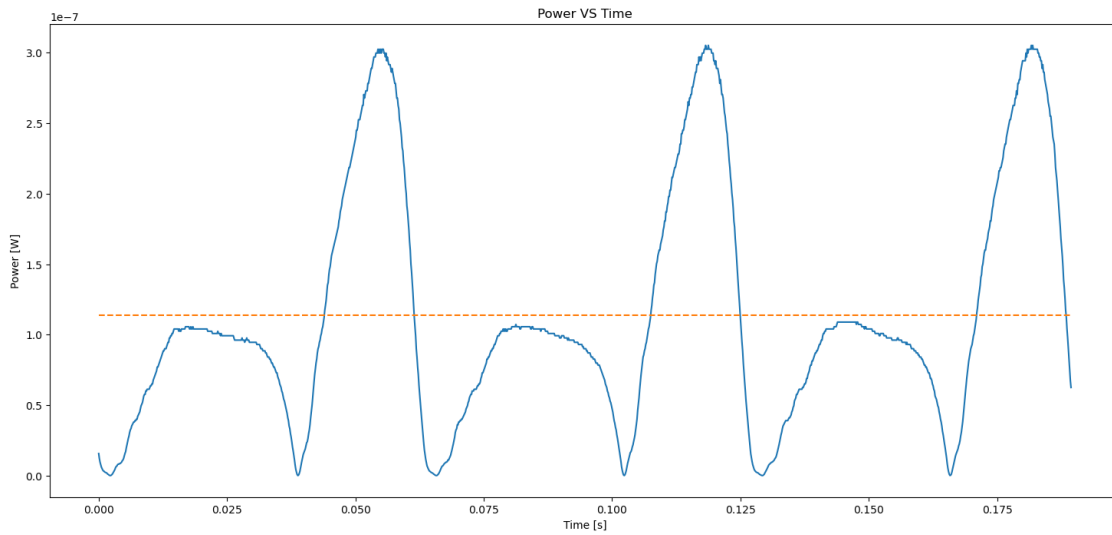
The input frequency is: 15.83 Hz





	Variable	Min	Max	Peak to peak	Mean	Mean of absolute value
0	Pressure [Bar]	2.80e-02	6.05e-01	5.77e-01	2.72e-01	2.72e-01
1	Voltage [V]	-3.30e-01	5.52e-01	8.83e-01	5.09e-03	3.07e-01

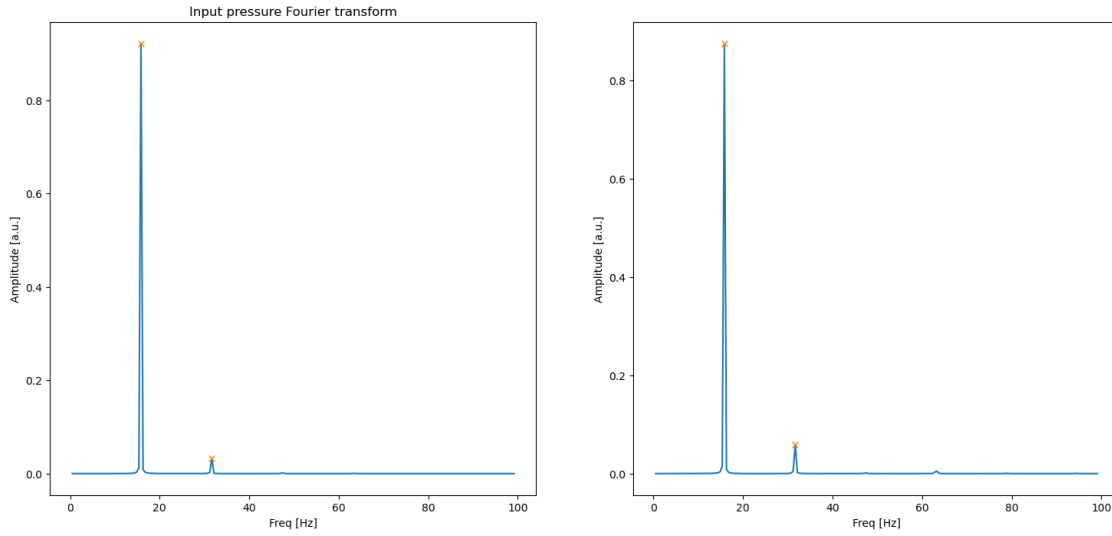
3 POWER



Mean power: 1.14e-07 [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	15.83	87.49
1	31.67	5.96

4.2 Pressure frequency peaks

	Freq [Hz]	Amplitude percentage
0	15.83	92.20
1	31.67	3.29