

Measurements

April 22, 2022

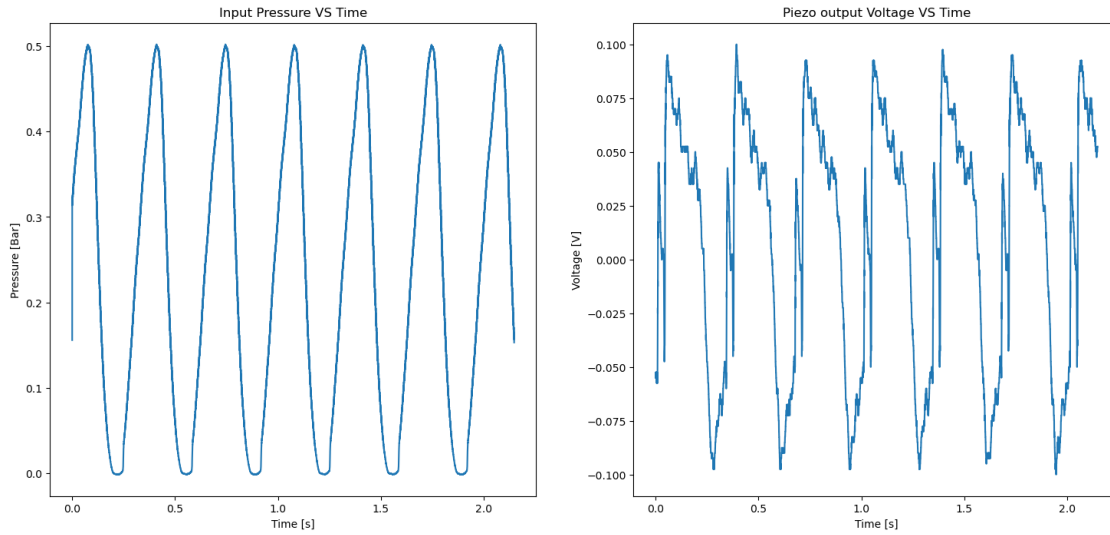
1 PARAMETERS

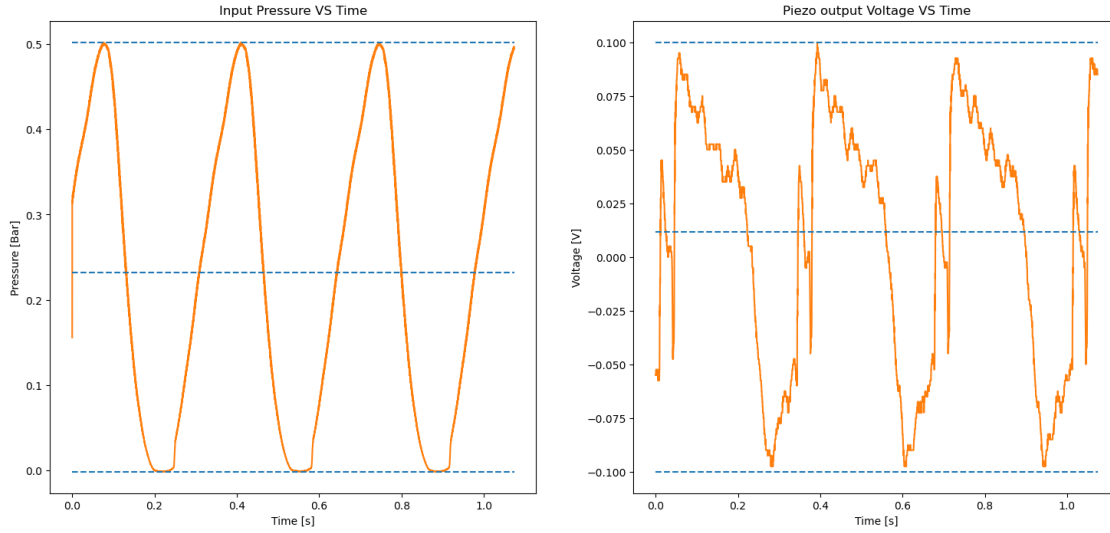
Sample name: ES.PVDV.E0.0m.100nm

	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

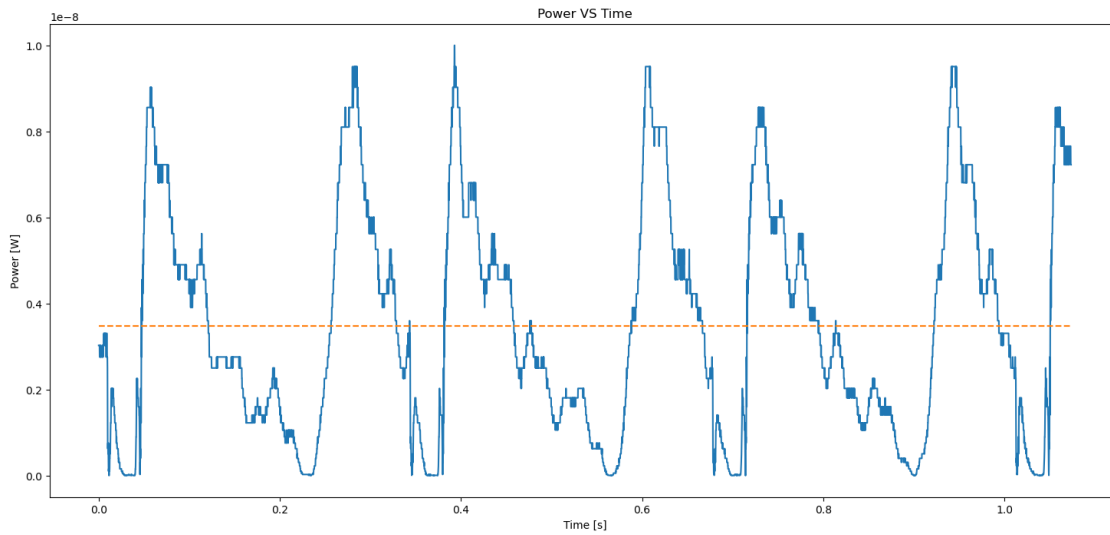
The input frequency is: 2.79 Hz





	Variable	Min	Max	Peak to peak	Mean	Mean of absolute value
0	Pressure [Bar]	-1.75e-03	5.02e-01	5.04e-01	2.32e-01	2.32e-01
1	Voltage [V]	-1.00e-01	1.00e-01	2.00e-01	1.18e-02	5.37e-02

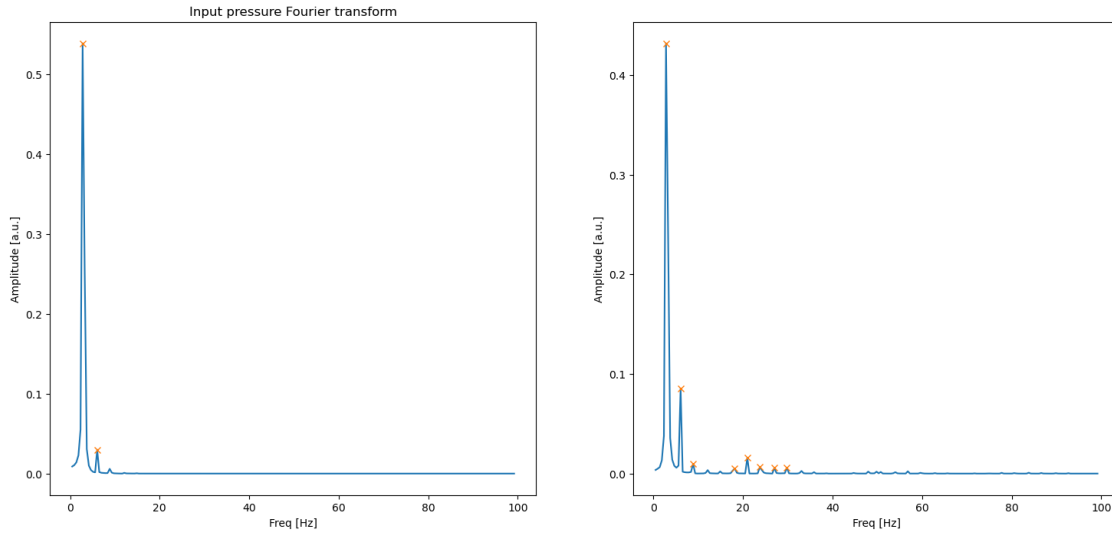
3 POWER



Mean power: 3.47e-09 [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	2.79	43.16
1	6.05	8.52
2	8.85	0.98
3	18.16	0.51
4	20.96	1.58
5	23.75	0.64
6	27.01	0.57
7	29.80	0.60

4.2 Pressure frequency peaks

	Freq [Hz]	Amplitude percentage
0	2.79	53.87
1	6.05	2.98