Measurements

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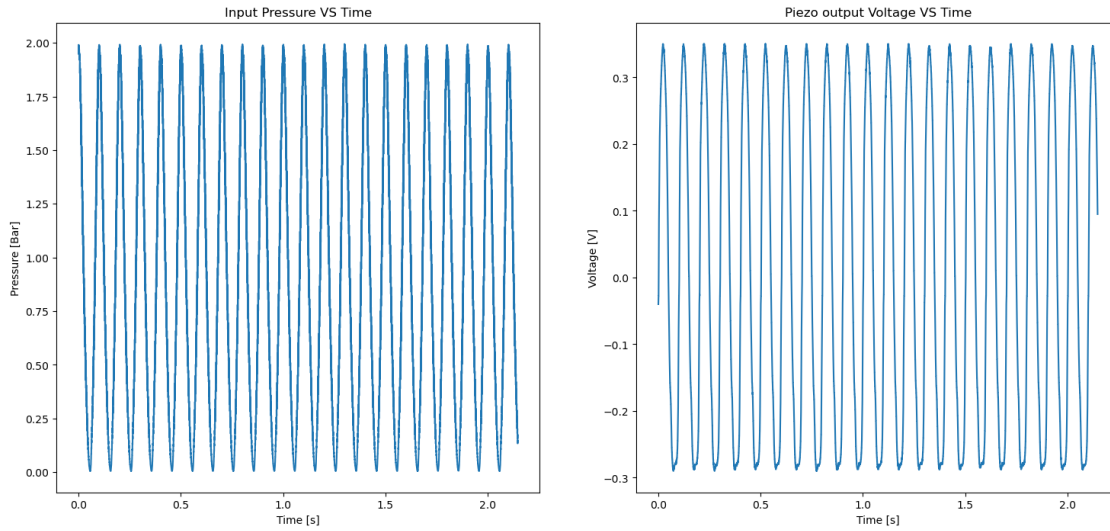
1 PARAMETERS
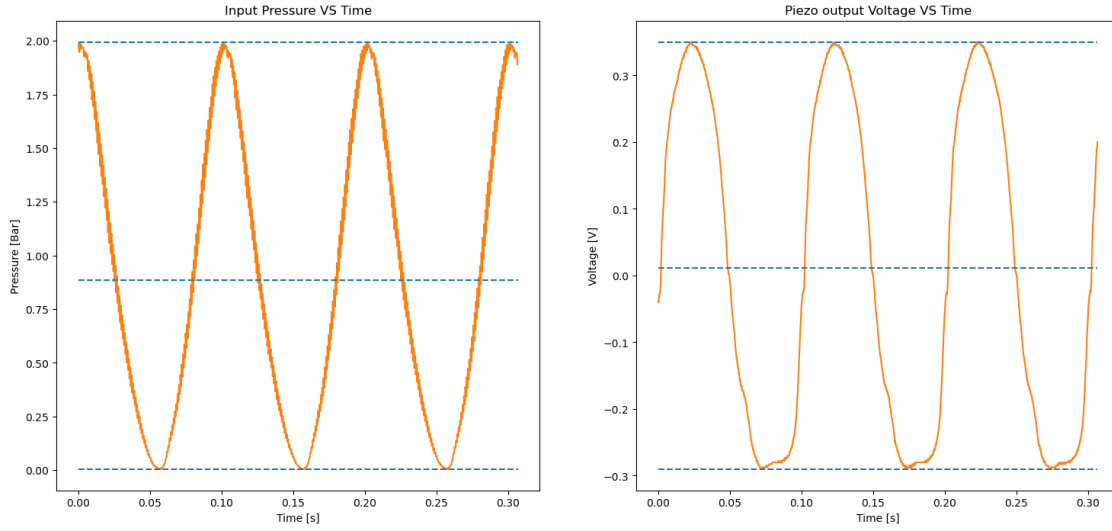
Sample name: ES.PVDV.E0.0m.100nm

	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: 9.78 Hz

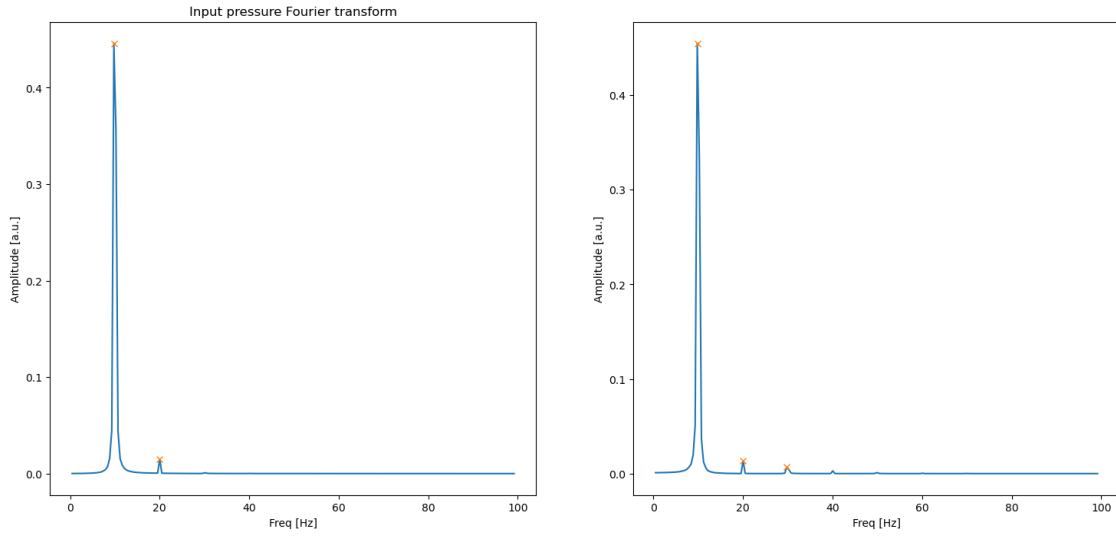|	Variable	Min	Max	Peak to peak	Mean	Mean of absolute value
0	Pressure [Bar]	5.00e-03	2.00e+00	1.99e+00	8.86e-01	8.86e-01
1	Voltage [V]	-2.90e-01	3.50e-01	6.40e-01	1.16e-02	2.32e-01

3 POWER
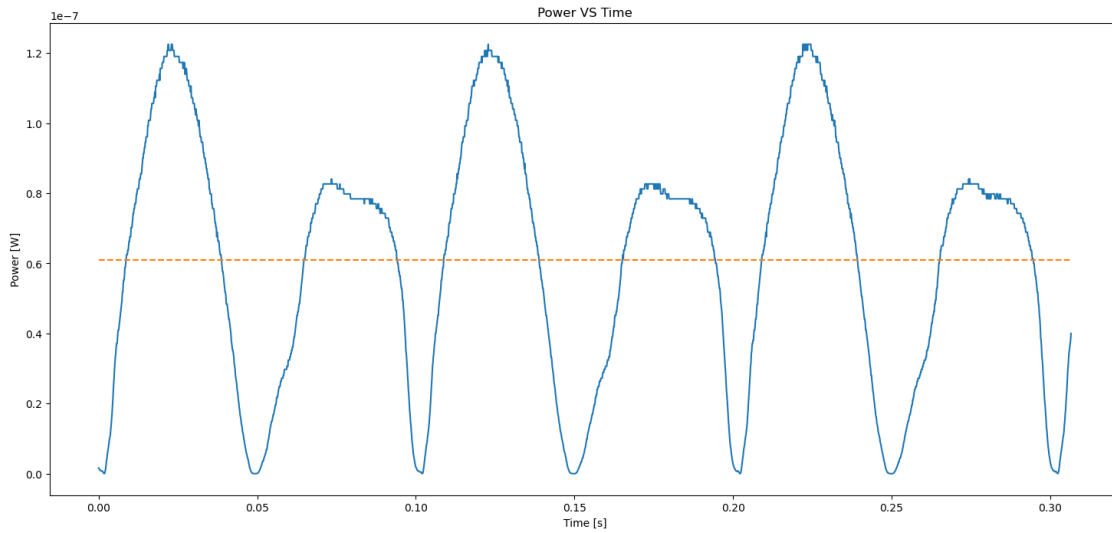

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Mean power: 6.10e-08 [W]
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4 FREQUENCY ANALYSIS

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	45.47
1	20.02	1.34
2	29.80	0.70

4.2 Pressure frequency peaks

	Freq [Hz]	Amplitude percentage
0	9.78	44.60
1	20.02	1.49