Measurements

April 22, 2022

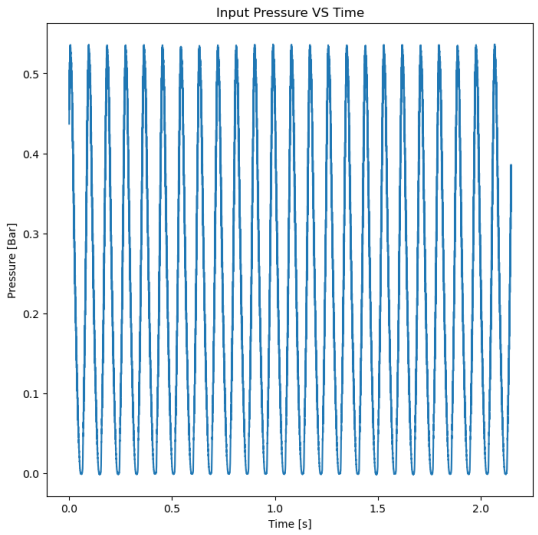
1 PARAMETERS

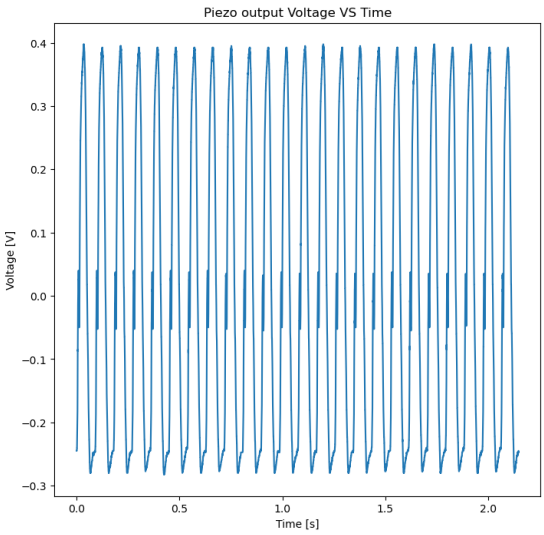
`Sample name: ES.PVDV.E0.0m.100nm`

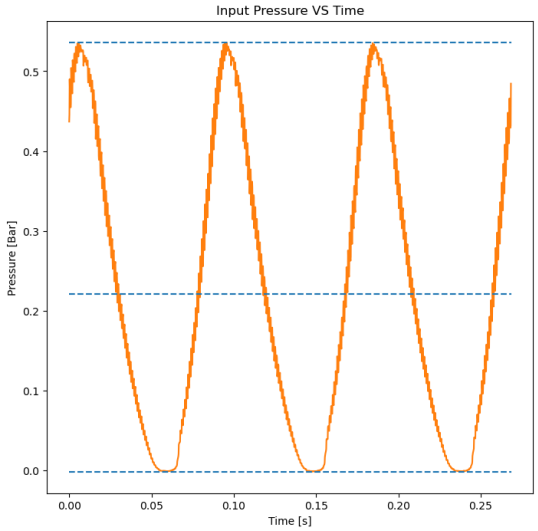
	Parameter	Value	Unit
0	Sample name	ES.PVDV.E0.0m.100nm	
1	Measure duration	2.147483648	[s]
2	Rload	1000000.0	[Ohms]
3	Nb Periods	3.0	[1]
4	R Circuit	1.0	[Ohms]
5	Max Frequency	100.0	[Hz]

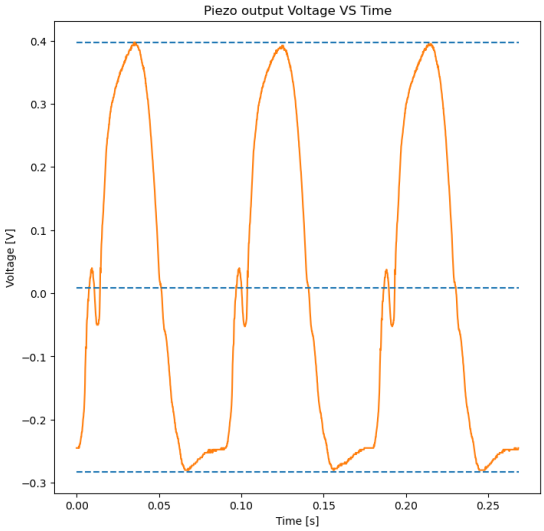
2 PRESSURE AND VOLTAGE MEASUREMENTS

`The input frequency is: 11.18 Hz`



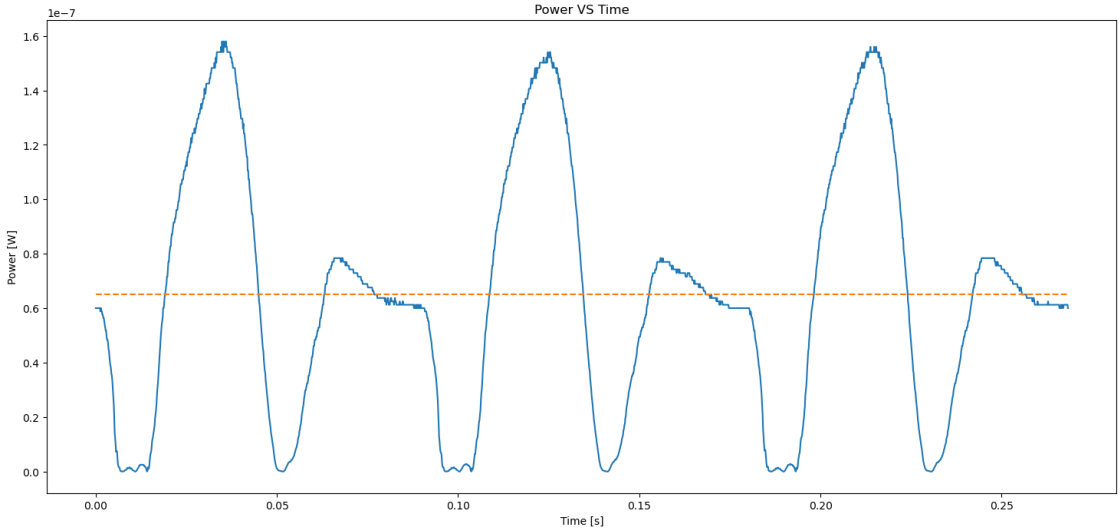






	Variable	Min	Max	Peak to peak	Mean	Mean of absolute value
0	Pressure [Bar]	-1.75e-03	5.36e-01	5.38e-01	2.21e-01	2.21e-01
1	Voltage [V]	-2.82e-01	3.98e-01	6.80e-01	8.14e-03	2.29e-01

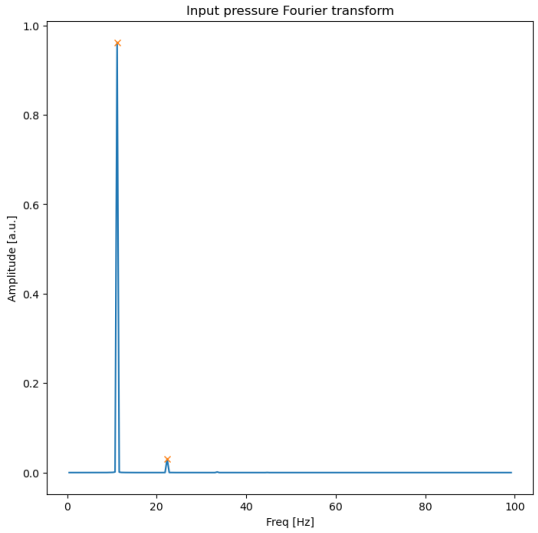
3 POWER

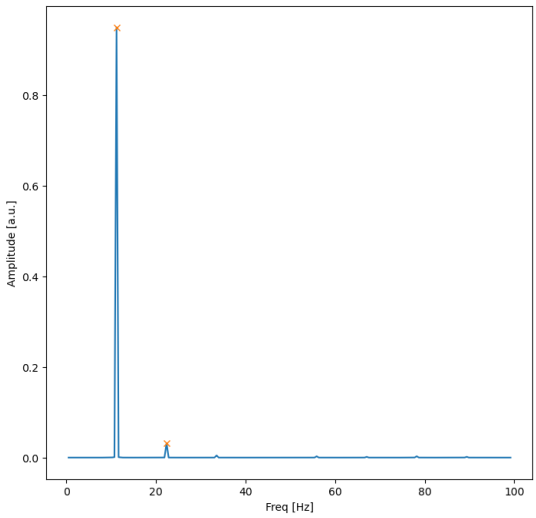



```
Mean power: 6.51e-08 [W]
```

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	11.18	94.99
1	22.35	3.18

4.2 Pressure frequency peaks

	Freq [Hz]	Amplitude percentage
0	11.18	96.20
1	22.35	3.08