

# Measurements

April 22, 2022

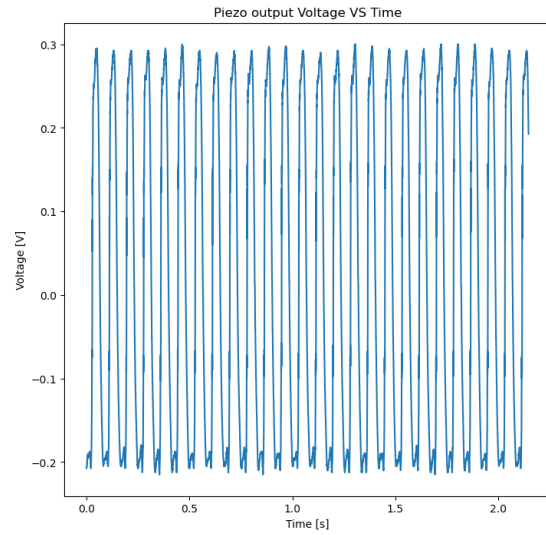
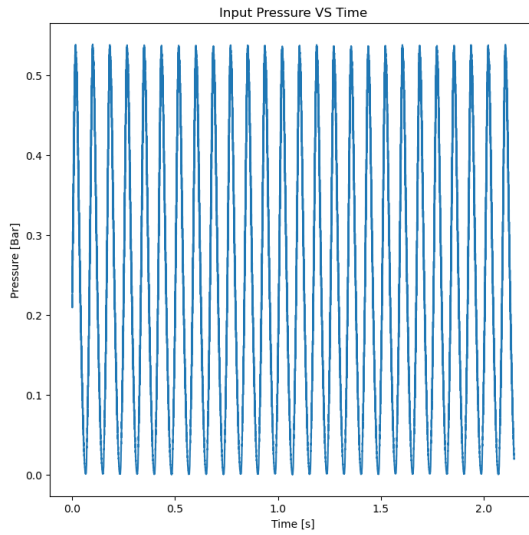
## 1 PARAMETERS

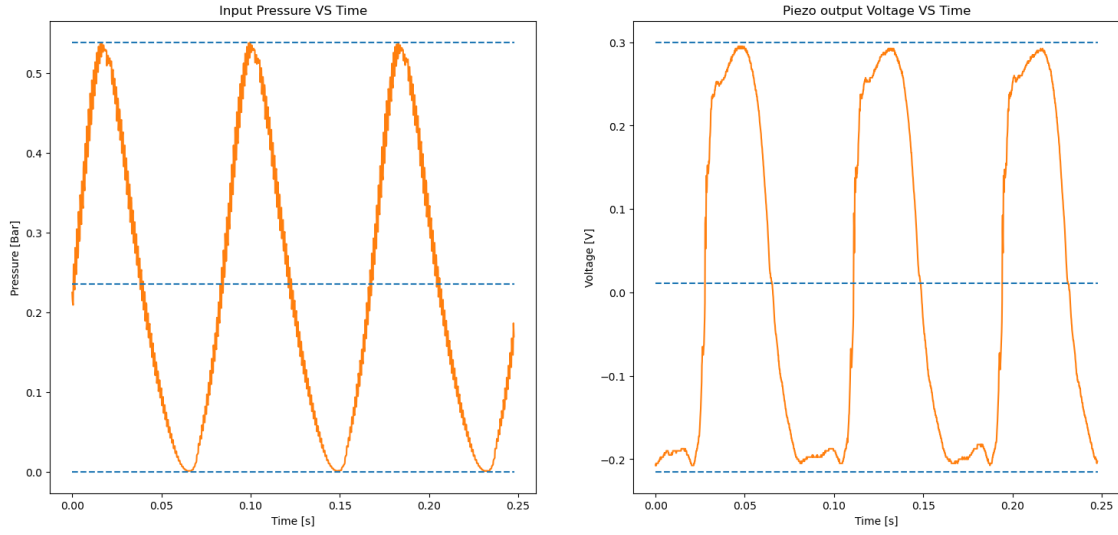
Sample name: ES.PVDV.E0.0m.100nm

	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

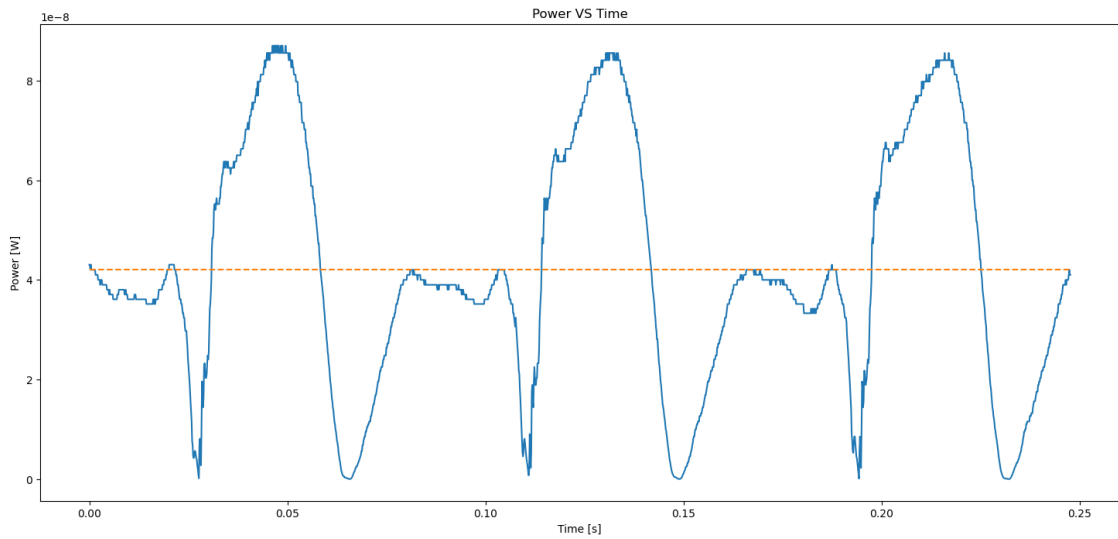
The input frequency is: 12.11 Hz





	Variable	Min	Max	Peak to peak	Mean	Mean of absolute value
0	Pressure [Bar]	3.50e-04	5.39e-01	5.38e-01	2.35e-01	2.35e-01
1	Voltage [V]	-2.15e-01	3.00e-01	5.15e-01	1.13e-02	1.94e-01

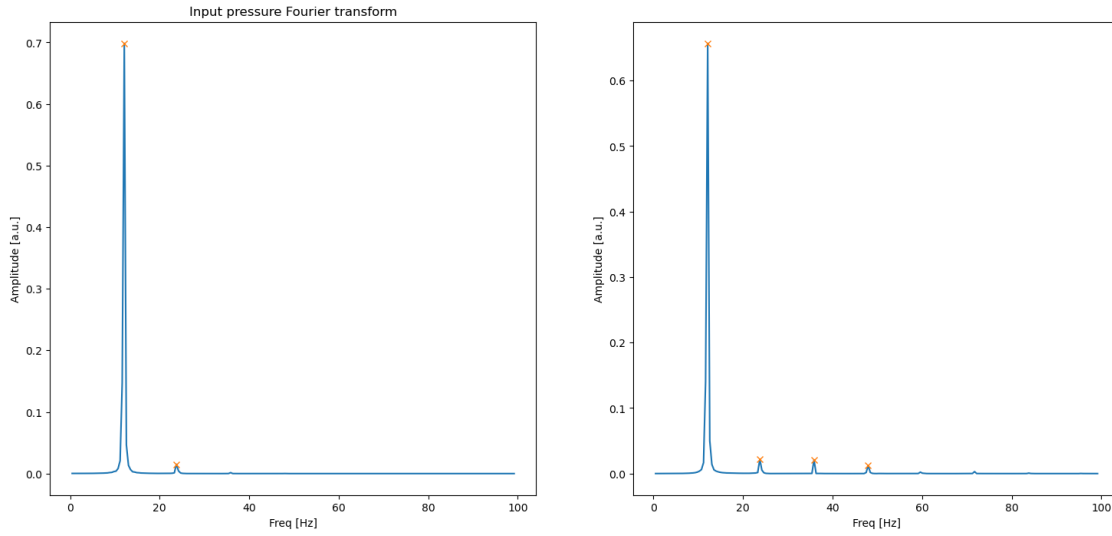
### 3 POWER



Mean power: 4.21e-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	12.11	65.69
1	23.75	2.18
2	35.86	2.10
3	47.97	1.21

### 4.2 Pressure frequency peaks

	Freq [Hz]	Amplitude percentage
0	12.11	69.84
1	23.75	1.51