

# Measurements

April 22, 2022

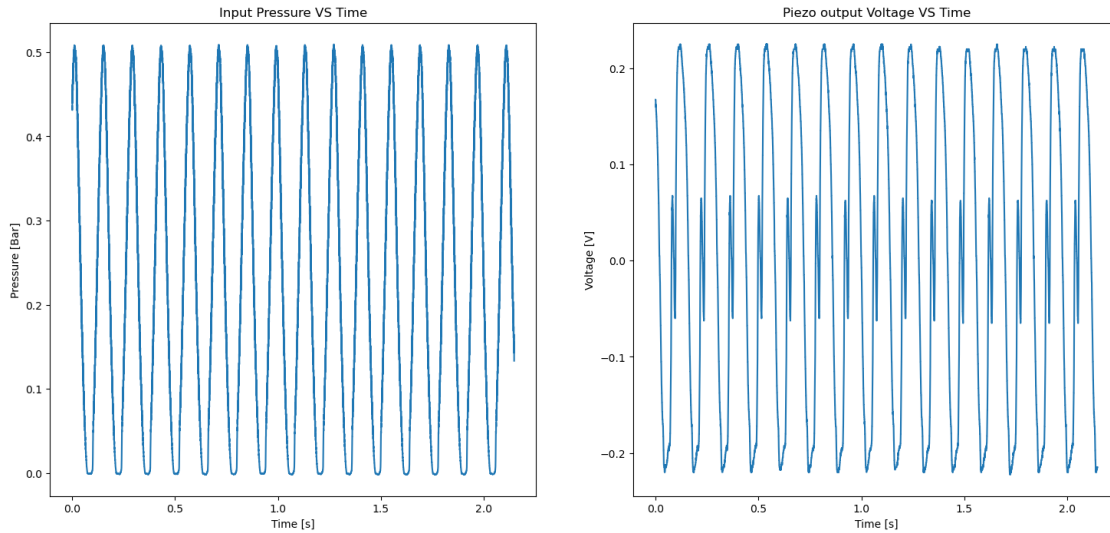
## 1 PARAMETERS

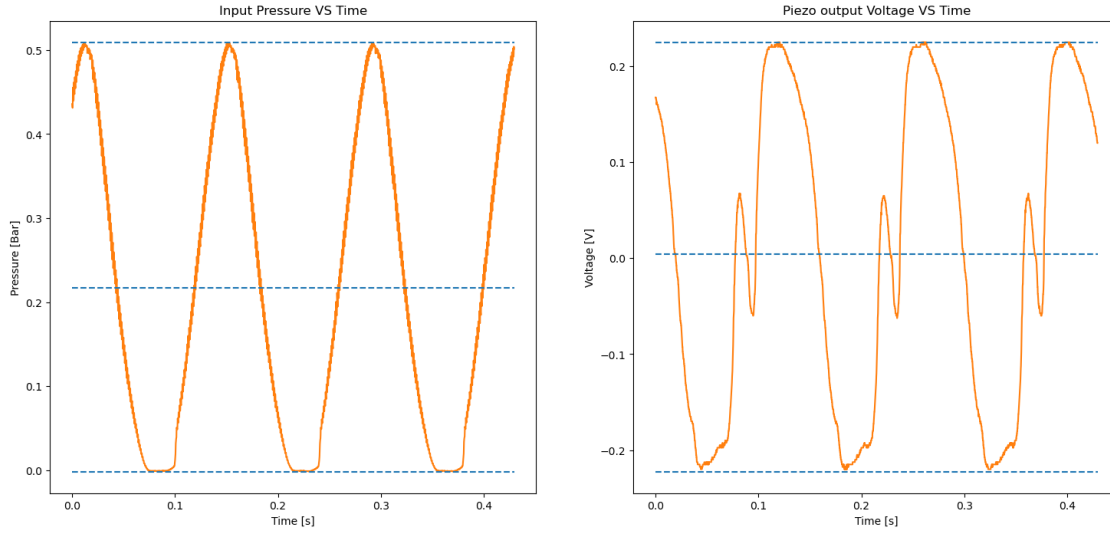
Sample name: ES.PVDV.E0.0m.100nm

	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

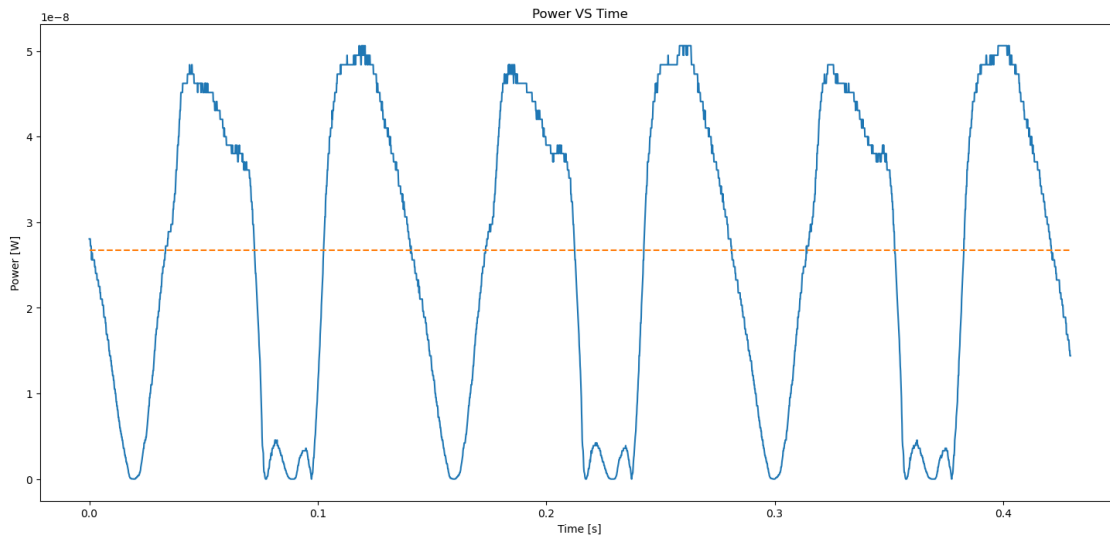
The input frequency is: 6.99 Hz





	Variable	Min	Max	Peak to peak	Mean	Mean of absolute value
0	Pressure [Bar]	-1.75e-03	5.09e-01	5.11e-01	2.17e-01	2.17e-01
1	Voltage [V]	-2.23e-01	2.25e-01	4.48e-01	4.47e-03	1.47e-01

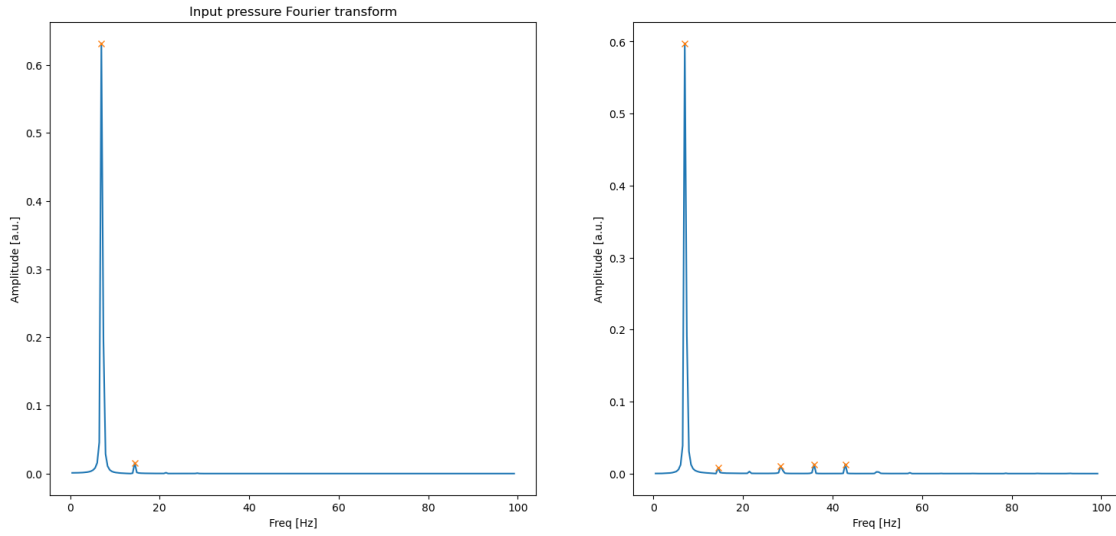
### 3 POWER



Mean power: 2.67e-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	6.99	59.76
1	14.44	0.79
2	28.41	1.06
3	35.86	1.29
4	42.84	1.29

### 4.2 Pressure frequency peaks

	Freq [Hz]	Amplitude percentage
0	6.99	63.15
1	14.44	1.58