

# Measurements

March 17, 2022

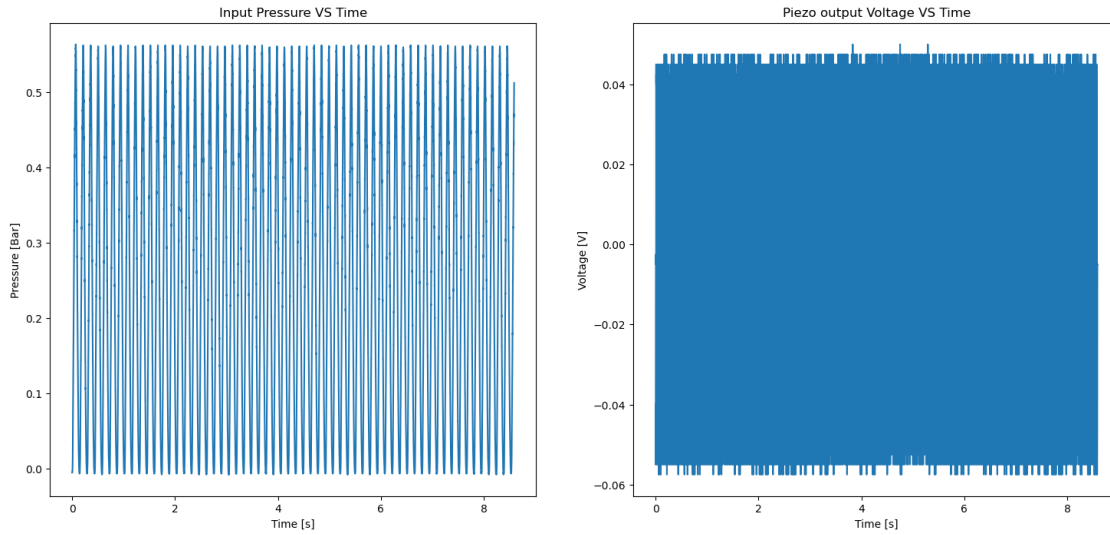
## 1 PARAMETERS

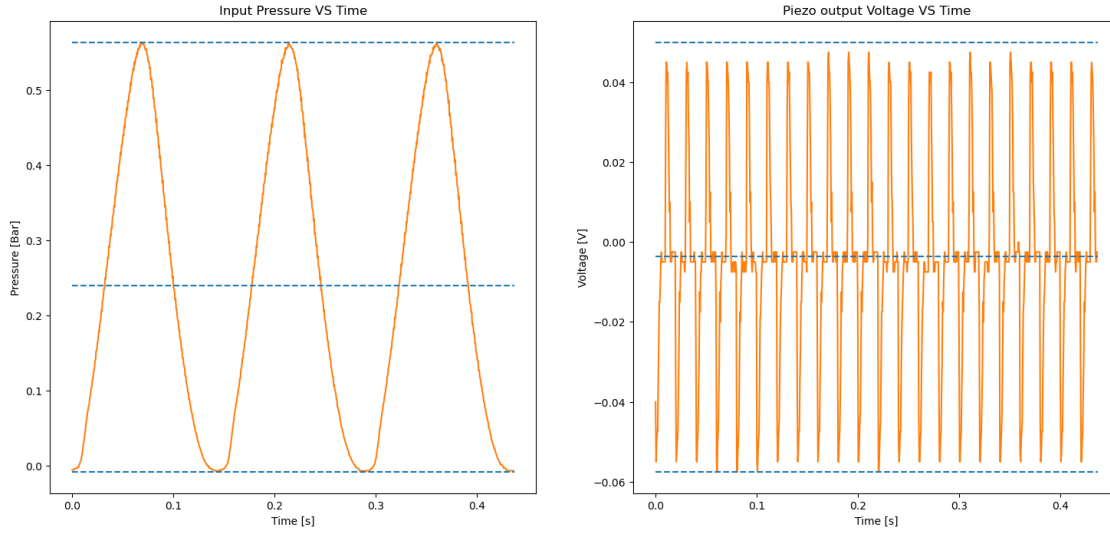
Sample name: ES.PVDF.E0.0m.100nm.6.99Hz

	Parameter	Value	Unit
0	Sample name	ES.PVDF.E0.0m.100nm.6.99Hz	
1	Measure duration	8.589934592	[s]
2	Rload	6000000.0	[Ohms]
3	Nb Periods	3.0	[1]
4	R Circuit	1.0	[Ohms]
5	Max Frequency	100.0	[Hz]

## 2 PRESSURE AND VOLTAGE MEASUREMENTS

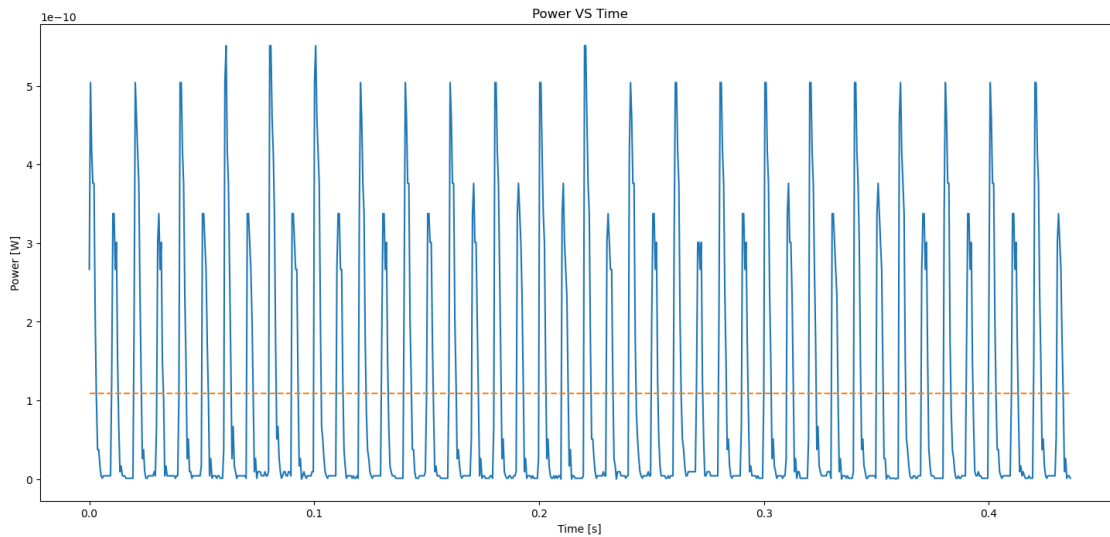
The input frequency is: 6.87 Hz





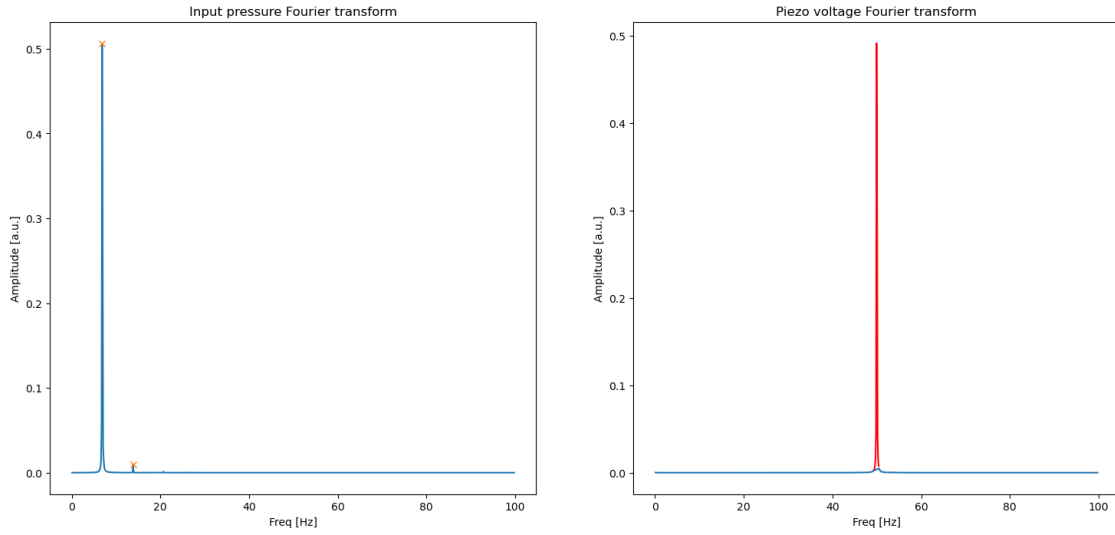
	Variable	Min	Max	Peak to peak	Mean	Mean of absolute value
0	Pressure [Bar]	-7.50e-03	5.64e-01	5.71e-01	2.40e-01	2.41e-01
1	Voltage [V]	-5.75e-02	5.00e-02	1.08e-01	-3.69e-03	1.79e-02

### 3 POWER



Mean power: 1.09e-10 [W]

## 4 FREQUENCY ANALYSIS



### 4.1 Voltage frequency peaks

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Empty DataFrame Columns: Index(['Freq [Hz]', 'Amplitude percentage'], dtype='object') Index: RangeIndex(start=0, stop=2, step=1)

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### 4.2 Pressure frequency peaks

	Freq [Hz]	Amplitude percentage
0	6.87	50.64
1	13.85	0.97

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