

Measurements

March 15, 2022

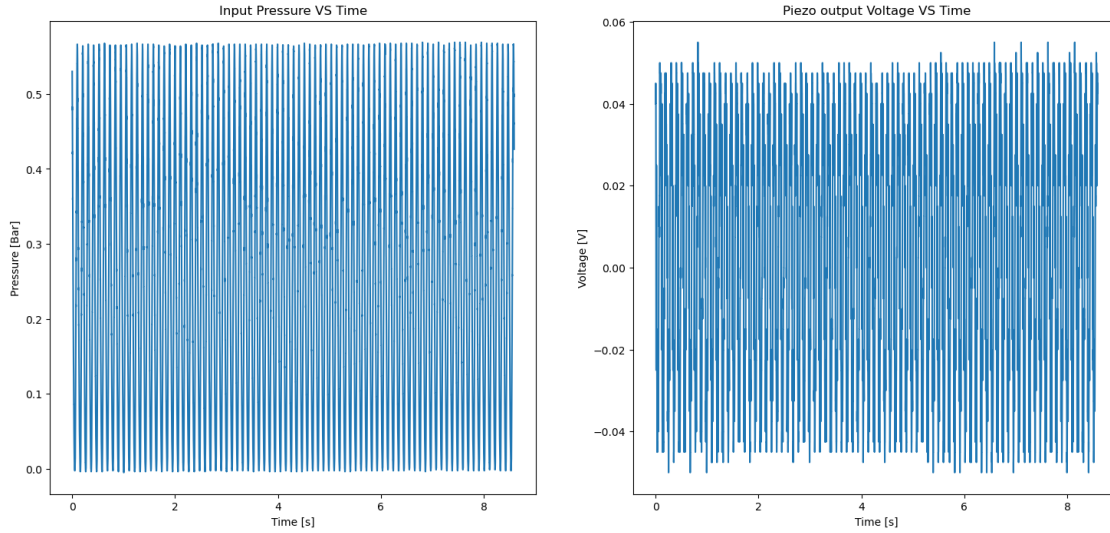
1 PARAMETERS

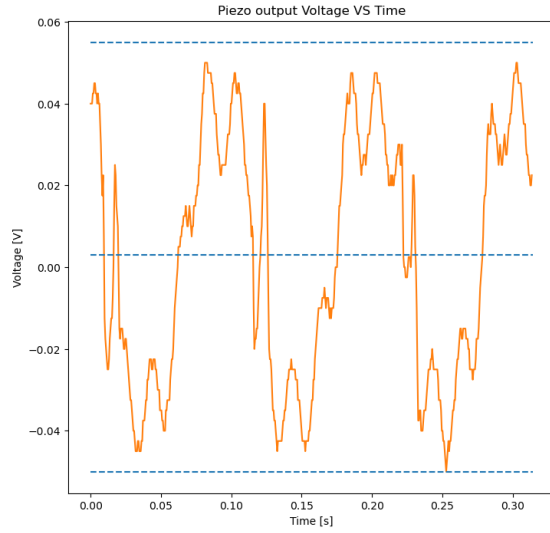
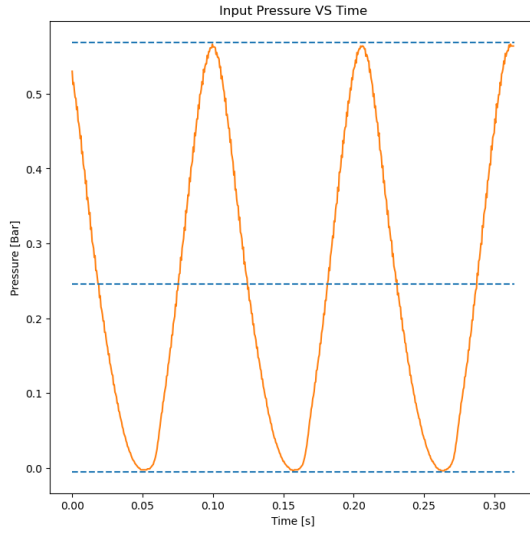
Sample name: ES.PVDF.E0.0m.100nm

| | Parameter | Value | Unit |
|---|------------------|---------------------|--------|
| 0 | Sample name | ES.PVDF.E0.0m.100nm | |
| 1 | Measure duration | 10.0 | [s] |
| 2 | Rload | 70000.0 | [Ohms] |
| 3 | Nb Periods | 3.0 | [1] |
| 4 | R Circuit | 1.0 | [Ohms] |
| 5 | Max Frequency | 100.0 | [Hz] |

2 PRESSURE AND VOLTAGE MEASUREMENTS

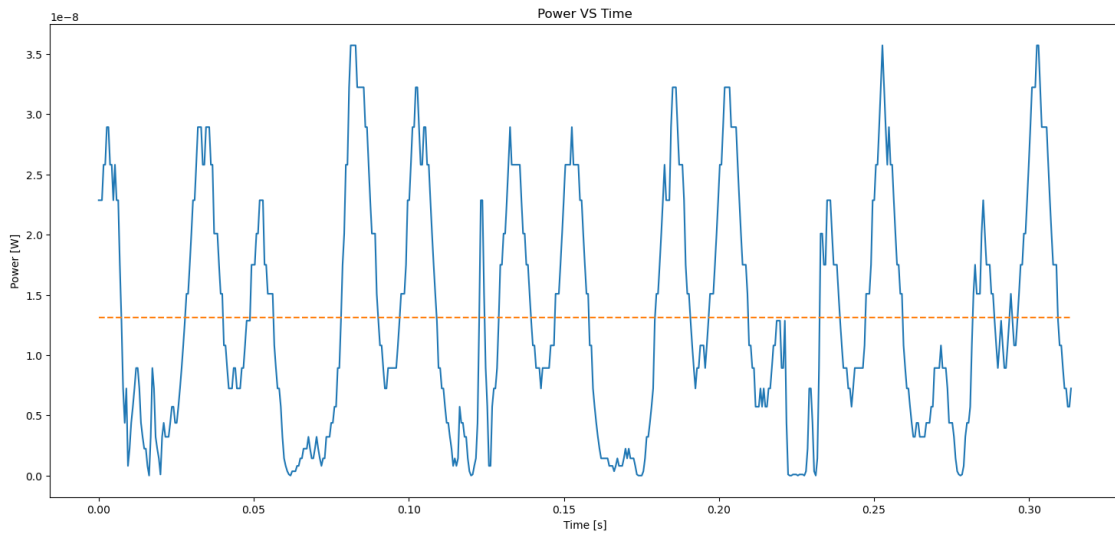
The input frequency is: 9.55 Hz





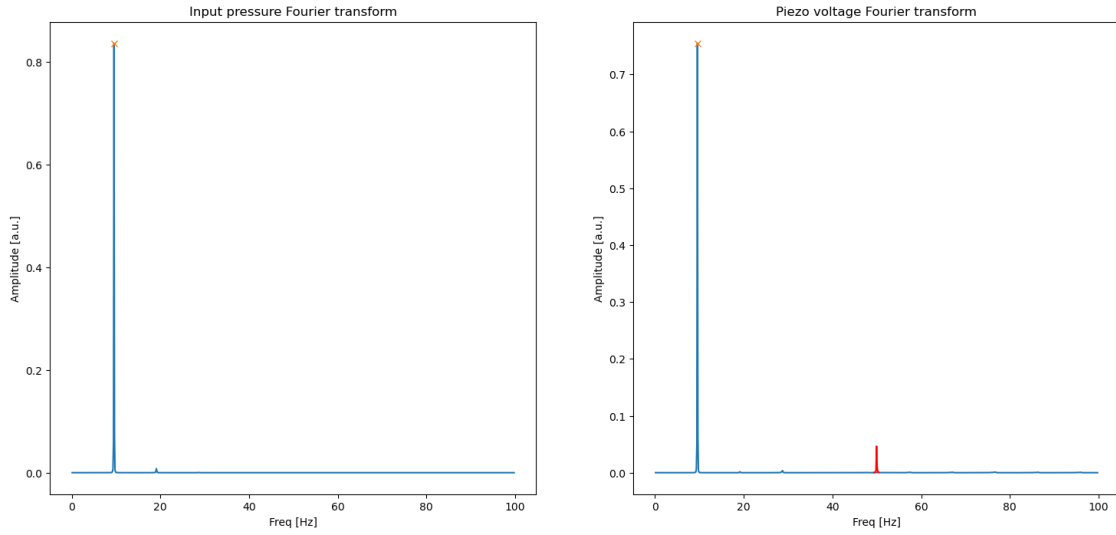
| | Variable | Min | Max | Peak to peak | Mean | Mean of absolute value |
|---|----------------|-----------|----------|--------------|----------|------------------------|
| 0 | Pressure [Bar] | -5.00e-03 | 5.69e-01 | 5.74e-01 | 2.46e-01 | 2.46e-01 |
| 1 | Voltage [V] | -5.00e-02 | 5.50e-02 | 1.05e-01 | 2.94e-03 | 2.76e-02 |

3 POWER



Mean power: $1.31e-08$ [W]

4 FREQUENCY ANALYSIS



4.1 Voltage frequency peaks

| | Freq [Hz] | Amplitude percentage |
|---|-----------|----------------------|
| 0 | 9.55 | 75.47 |

4.2 Pressure frequency peaks

| | Freq [Hz] | Amplitude percentage |
|---|-----------|----------------------|
| 0 | 9.55 | 83.60 |