

Measurements

March 18, 2022

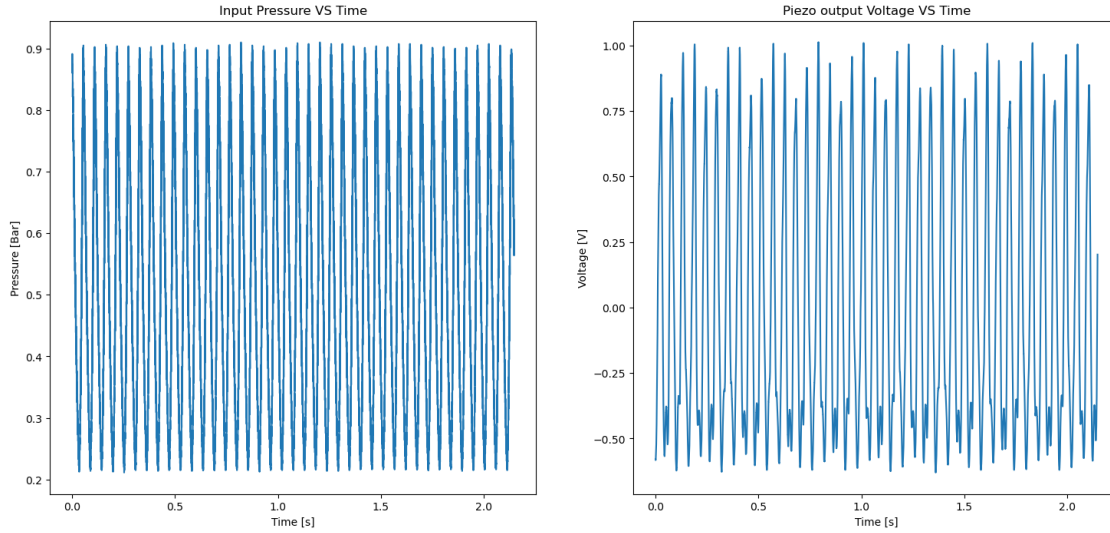
1 PARAMETERS

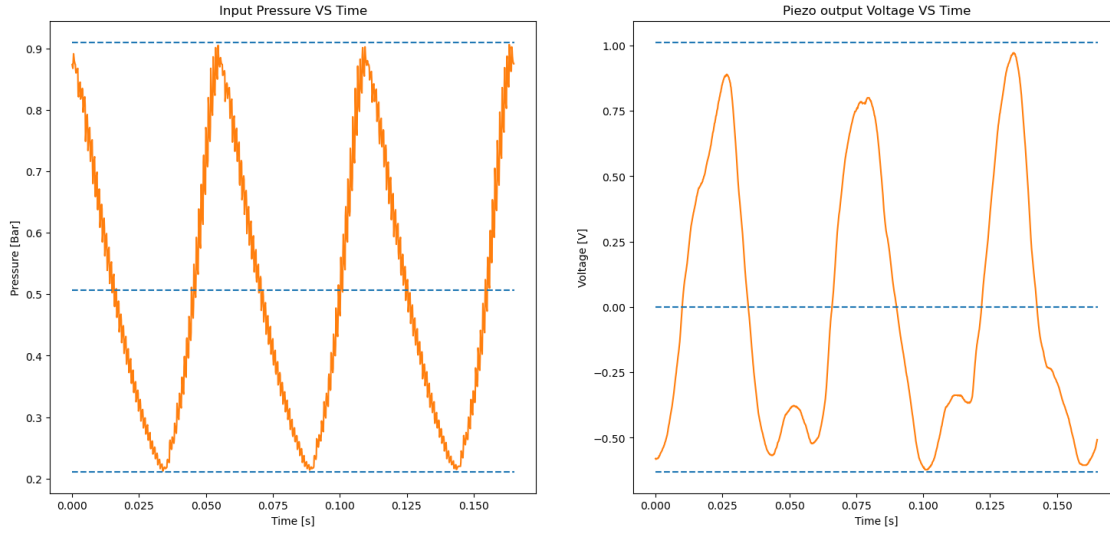
Sample name: ES.PVDF.E0.0m.100nm

| | Parameter | Value | Unit |
|---|------------------|---------------------|--------|
| 0 | Sample name | ES.PVDF.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

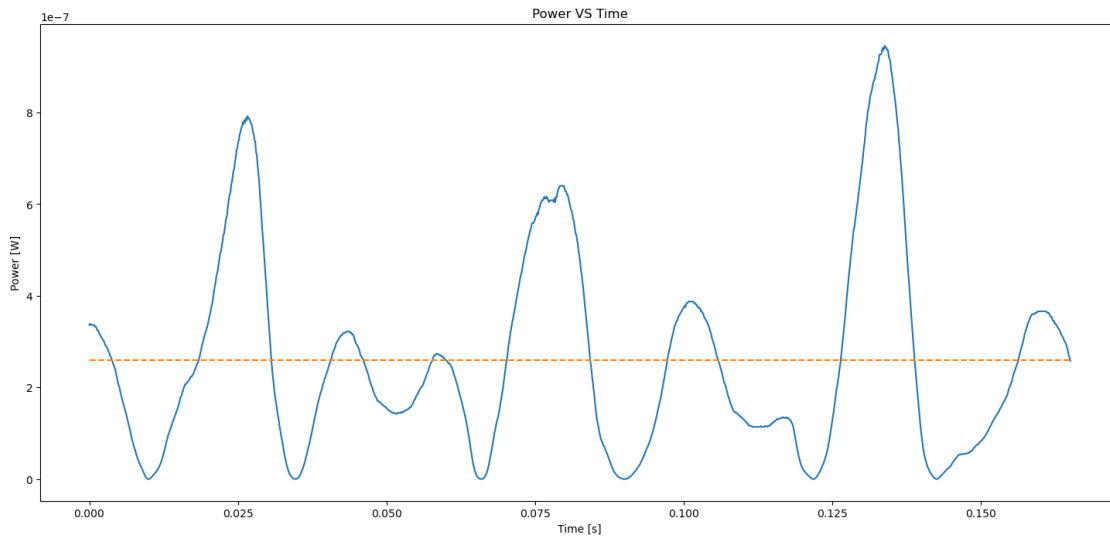
The input frequency is: 18.16 Hz





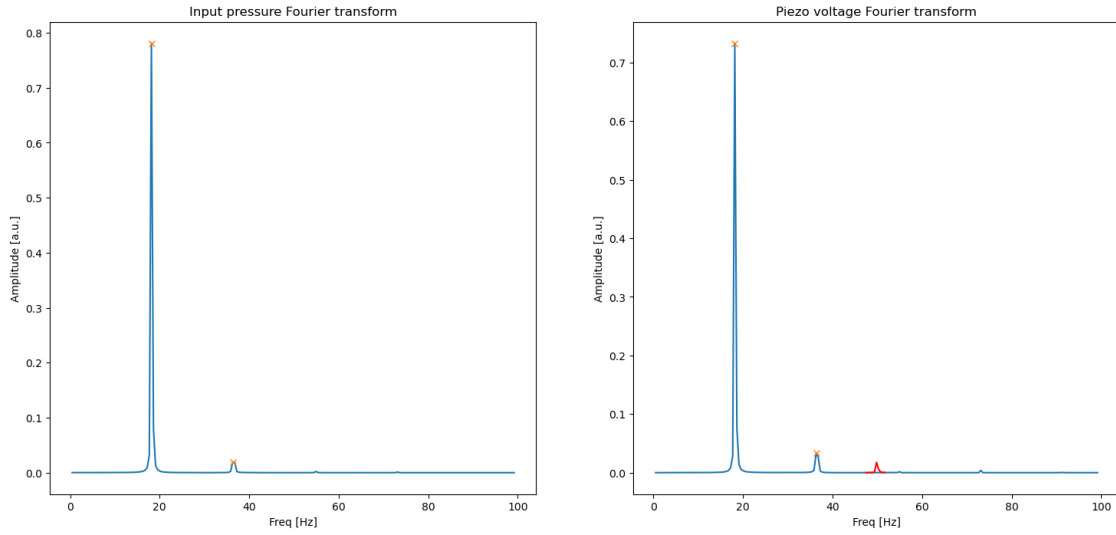
| | Variable | Min | Max | Peak to peak | Mean | Mean of absolute value |
|---|----------------|-----------|----------|--------------|-----------|------------------------|
| 0 | Pressure [Bar] | 2.11e-01 | 9.10e-01 | 6.99e-01 | 5.07e-01 | 5.07e-01 |
| 1 | Voltage [V] | -6.30e-01 | 1.01e+00 | 1.64e+00 | -1.26e-03 | 4.51e-01 |

3 POWER



Mean power: 2.59e-07 [W]

4 FREQUENCY ANALYSIS



4.1 Voltage frequency peaks

| | Freq [Hz] | Amplitude percentage |
|---|-----------|----------------------|
| 0 | 18.16 | 73.27 |
| 1 | 36.32 | 3.30 |

4.2 Pressure frequency peaks

| | Freq [Hz] | Amplitude percentage |
|---|-----------|----------------------|
| 0 | 18.16 | 78.08 |
| 1 | 36.32 | 1.93 |