

# Measurements

March 18, 2022

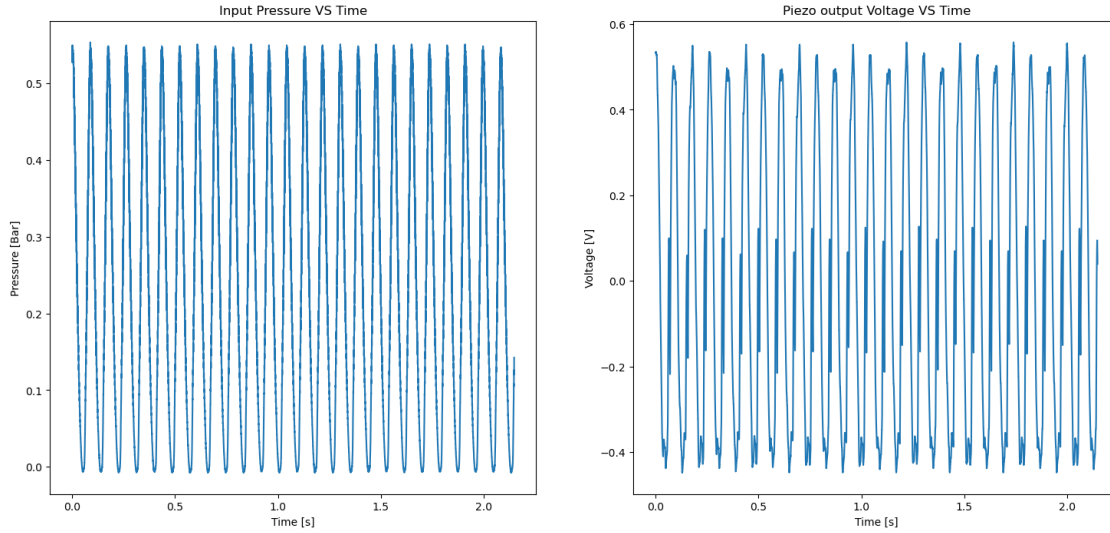
## 1 PARAMETERS

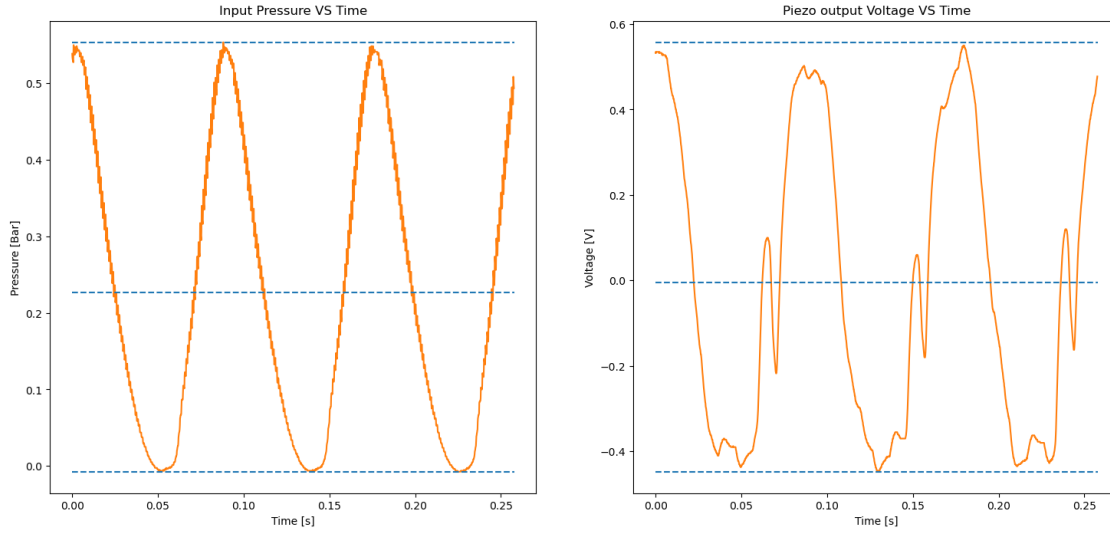
Sample name: ES.PVDF.E9.30m.100nm

|   | Parameter        | Value                | Unit   |
|---|------------------|----------------------|--------|
| 0 | Sample name      | ES.PVDF.E9.30m.100nm |        |
| 1 | Measure duration | 2.147483648          | [s]    |
| 2 | Rload            | 5000000.0            | [Ohms] |
| 3 | Nb Periods       | 3.0                  | [1]    |
| 4 | R Circuit        | 1.0                  | [Ohms] |
| 5 | Max Frequency    | 100.0                | [Hz]   |

## 2 PRESSURE AND VOLTAGE MEASUREMENTS

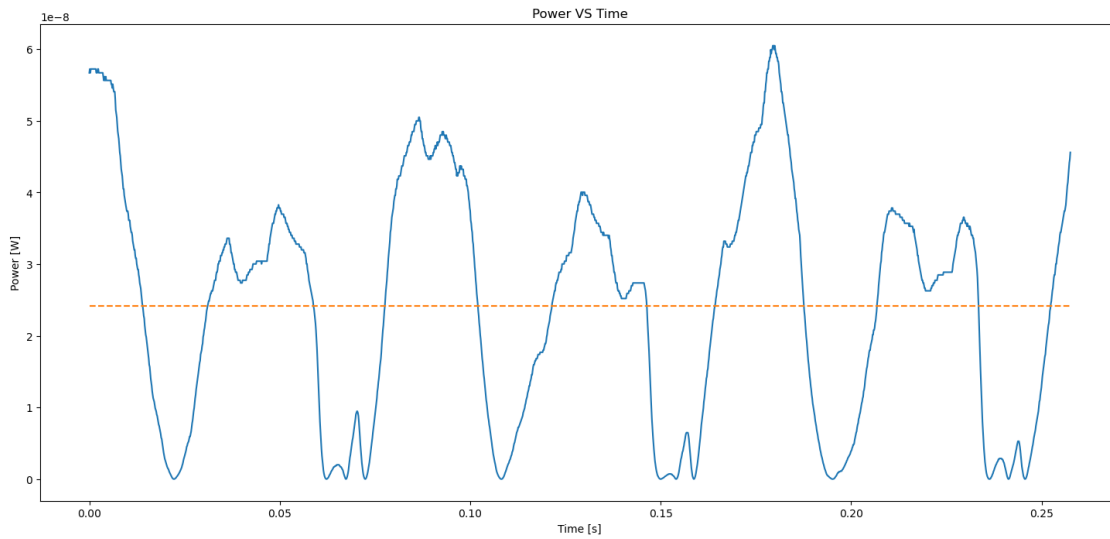
The input frequency is: 11.64 Hz





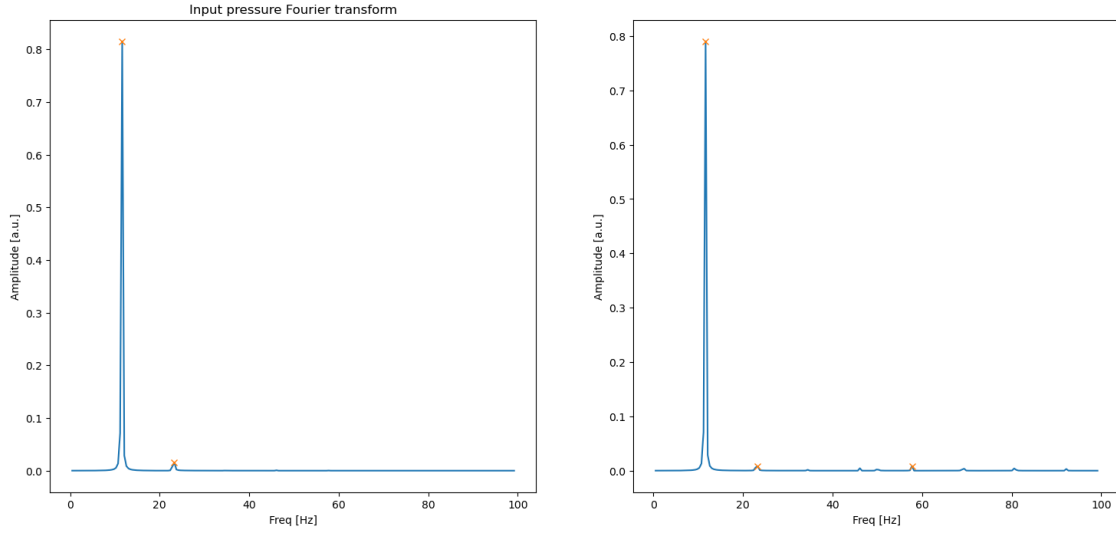
|   | Variable       | Min       | Max      | Peak to peak | Mean      | Mean of absolute value |
|---|----------------|-----------|----------|--------------|-----------|------------------------|
| 0 | Pressure [Bar] | -7.50e-03 | 5.54e-01 | 5.61e-01     | 2.27e-01  | 2.28e-01               |
| 1 | Voltage [V]    | -4.48e-01 | 5.57e-01 | 1.00e+00     | -4.28e-03 | 3.15e-01               |

### 3 POWER



Mean power: 2.42e-08 [W]

## 4 FREQUENCY ANALYSIS



### 4.1 Voltage frequency peaks

|   | Freq [Hz] | Amplitude percentage |
|---|-----------|----------------------|
| 0 | 11.64     | 79.04                |
| 1 | 23.28     | 0.83                 |
| 2 | 57.75     | 0.84                 |

### 4.2 Pressure frequency peaks

|   | Freq [Hz] | Amplitude percentage |
|---|-----------|----------------------|
| 0 | 11.64     | 81.51                |
| 1 | 23.28     | 1.56                 |