

Measurements

March 14, 2022

1 PARAMETERS

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

HBox(children=(Label(value='Measure duration [s] :'), parameter(value=5.0, , continuous_update=True, max=30.0, s...

HBox(children=(Label(value='Load resistance [Ohms] : '), parameter(value=100.0, , continuous_update=True, max=10...

HBox(children=(Label(value='Nombre of periods [1] : '), parameter(value=5.0, , continuous_update=True, max=10000...

Duration of measurements: 2.15 [s]

Load resistance: 1.00e+05 [Ohms]

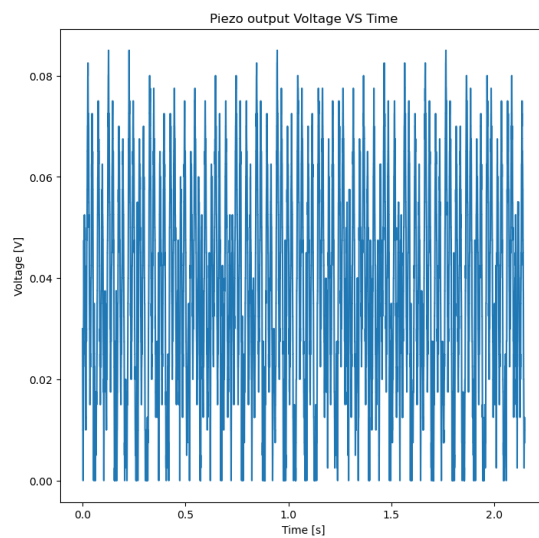
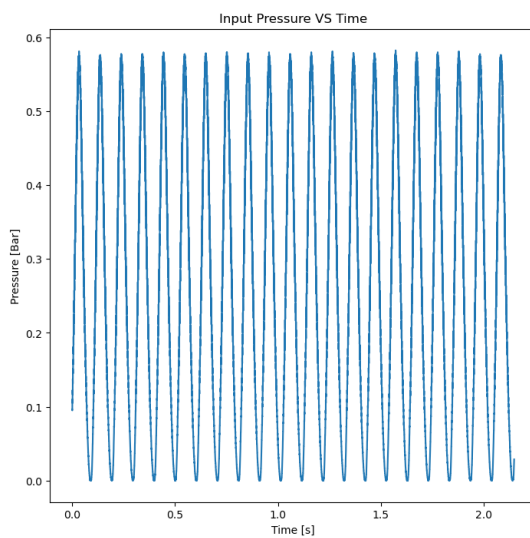
Circuit resistance: 2.00e-01 [Ohms]

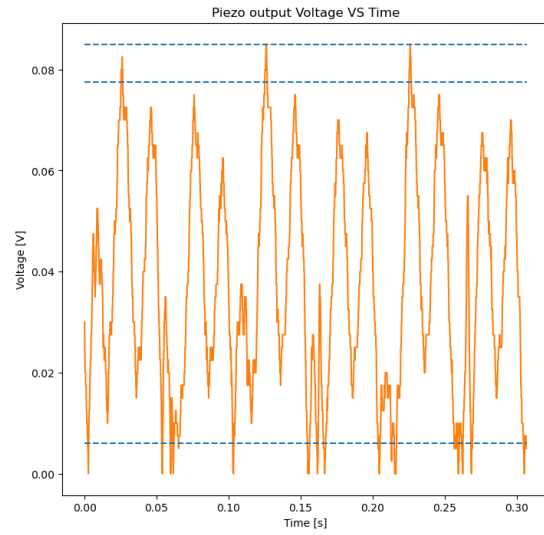
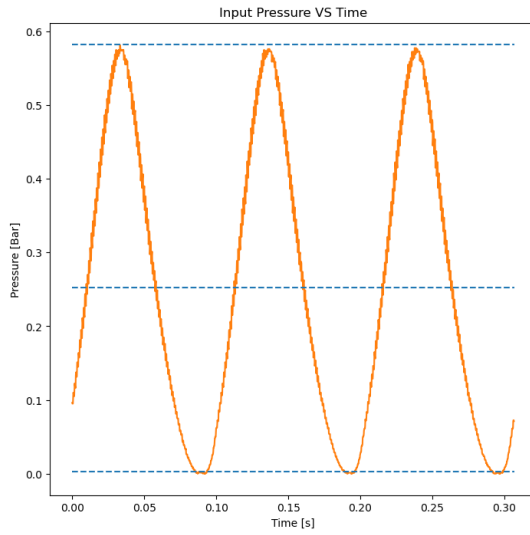
Number of periods displayed: 3

Maximum frequency for analysis: 200 [Hz]

2 PRESSURE AND VOLTAGE MEASUREMENTS

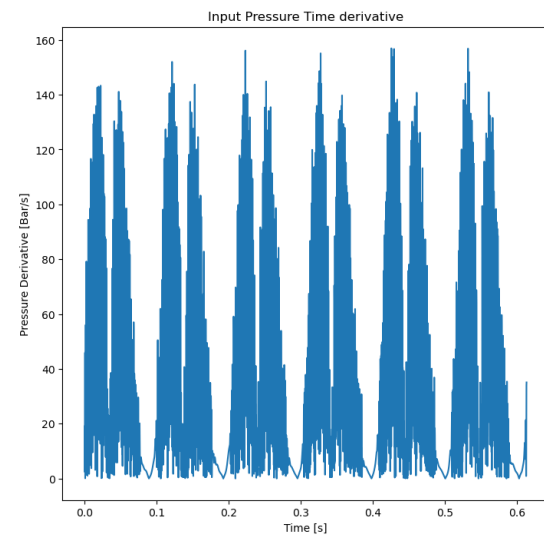
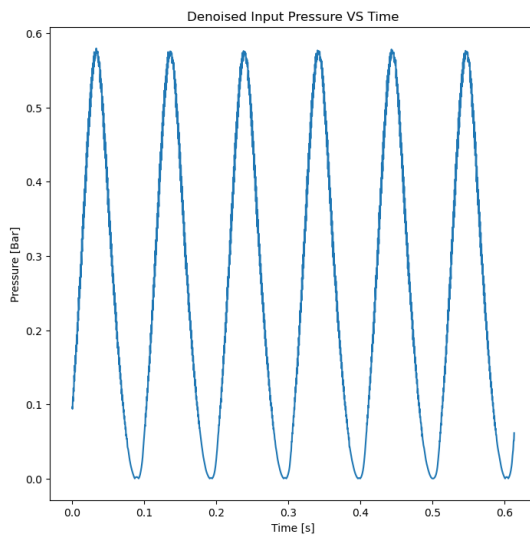
The input frequency is: 9.78 Hz



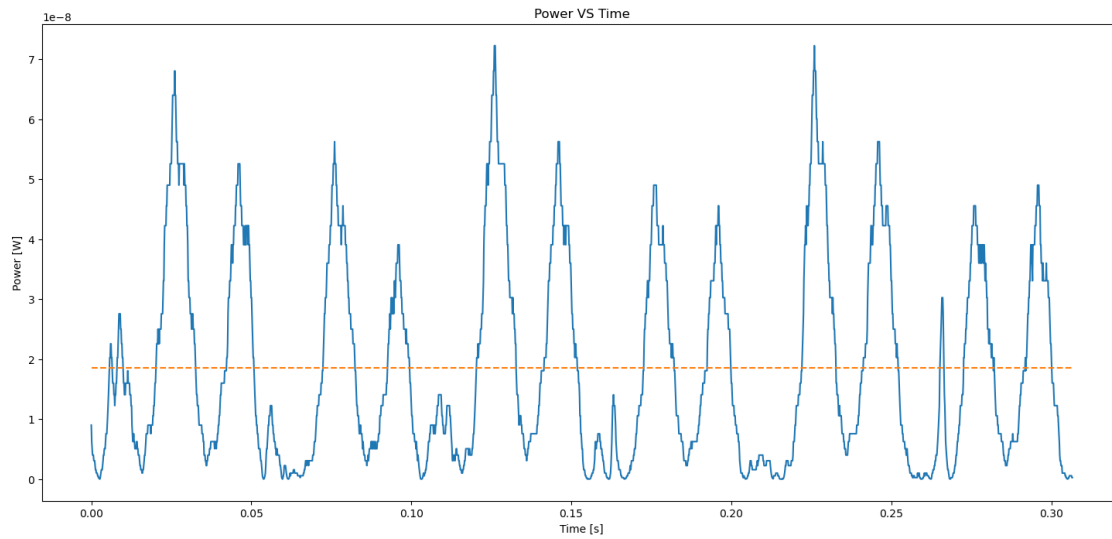


Max pressure: 0.58 [Bar]
 Min pressure: -0.00 [Bar]
 Peak to peak pressure: 0.58 [Bar]
 Mean pressure: 0.25 [Bar]
 Max voltage: 0.09 [V]
 Min voltage: -0.08 [V]
 Peak to peak voltage: 0.16 [V]
 Mean voltage: 0.01 [V]

3 PRESSURE DERIVATIVE



4 POWER



Mean power: $1.85e-08$ [W]

5 FREQUENCY ANALYSIS

