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...

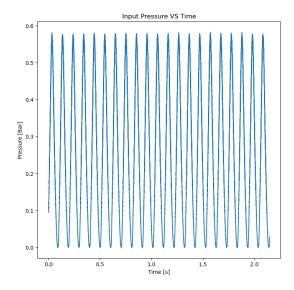
HBox(children=(Label(value='Nombre of periods [1] : '), parameter(value=5.0, →continuous_update=True, max=10000...

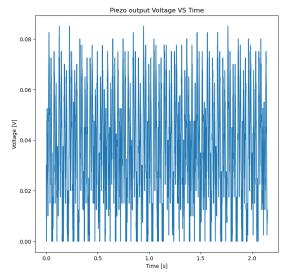
Duration of measurements: 2.15 [s] Load resistance: 1.00e+05 [Ohms] Circuit resistance: 2.00e-01 [Ohms] Number of periods displayed: 3

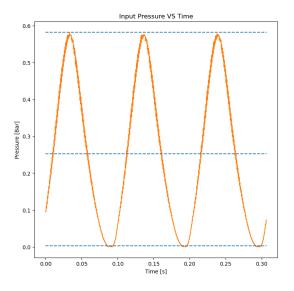
Maximum frequency for analysis: 200 [Hz]

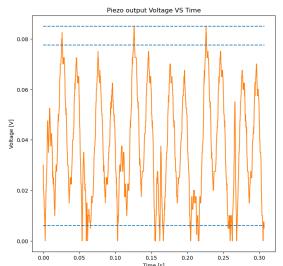
2 PRESSURE AND VOLTAGE MEASUREMENTS

The input frequency is: 9.78 Hz









Max pressure: 0.58 [Bar] Min pressure: -0.00 [Bar]

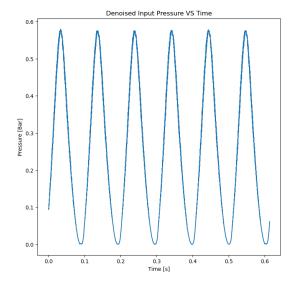
Peak to peak pressure: 0.58 [Bar]

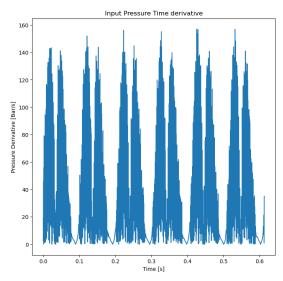
Mean pressure: 0.25 [Bar]
Max voltage: 0.09 [V]
Min voltage: -0.08 [V]

Peak to peak voltage: 0.16 [V]

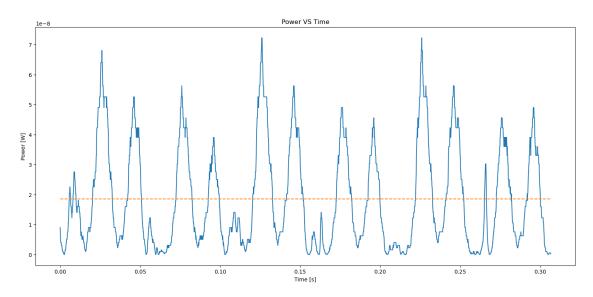
Mean voltage: 0.01 [V]

3 PRESSURE DERIVARTIVE





4 POWER



Mean power: 1.85e-08 [W]

5 FREQUENCY ANALYSIS

