Measurements

March 18, 2022
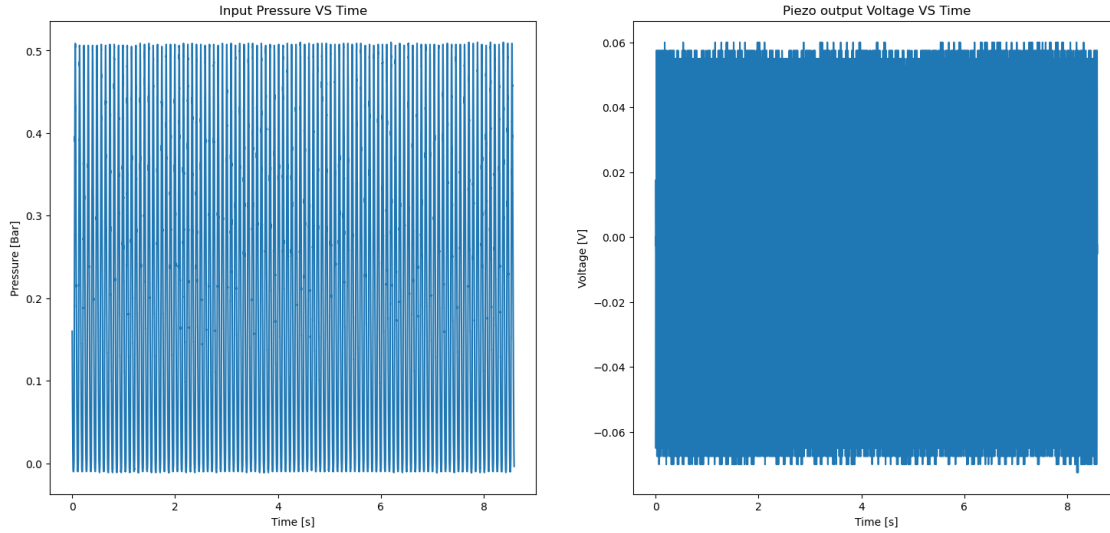
1 PARAMETERS
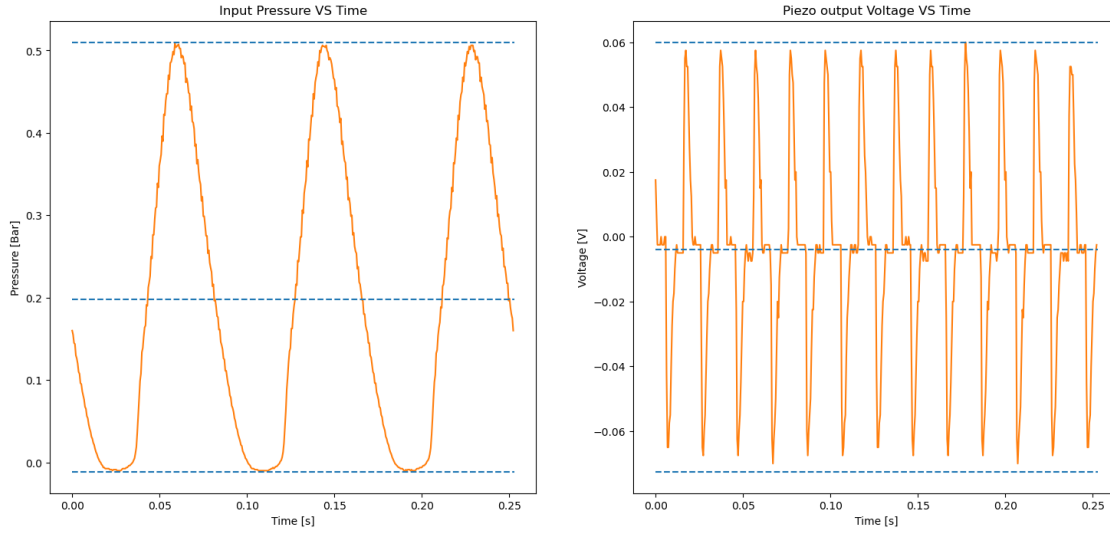
Sample name: ES.PVDF.E0.0m.100nm

	Parameter	Value	Unit
0	Sample name	ES.PVDF.E0.0m.100nm	
1	Measure duration	8.589934592	[s]
2	Rload	1000000.0	[Ohms]
3	Nb Periods	3.0	[1]
4	R Circuit	1.0	[Ohms]
5	Max Frequency	100.0	[Hz]

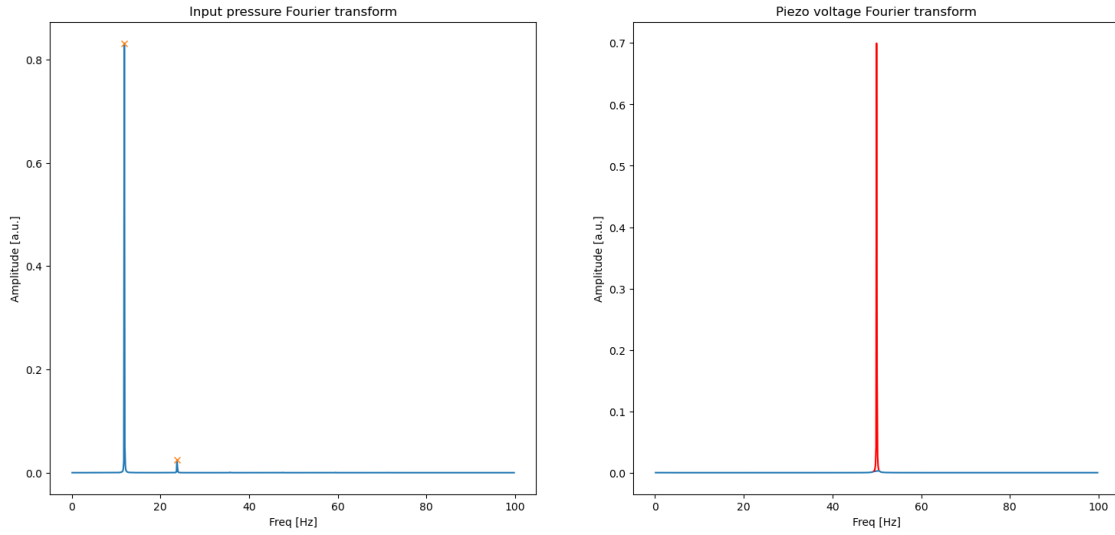## 2 PRESSURE AND VOLTAGE MEASUREMENTS

The input frequency is: 11.88 Hz

Input Pressure VS Time — Piezo output Voltage VS Time

	Variable	Min	Max	Peak to peak	Mean	Mean of absolute value
0	Pressure [Bar]	-1.12e-02	5.10e-01	5.21e-01	1.98e-01	2.01e-01
1	Voltage [V]	-7.25e-02	6.00e-02	1.33e-01	-3.86e-03	2.14e-02

3 POWER

Power VS Time
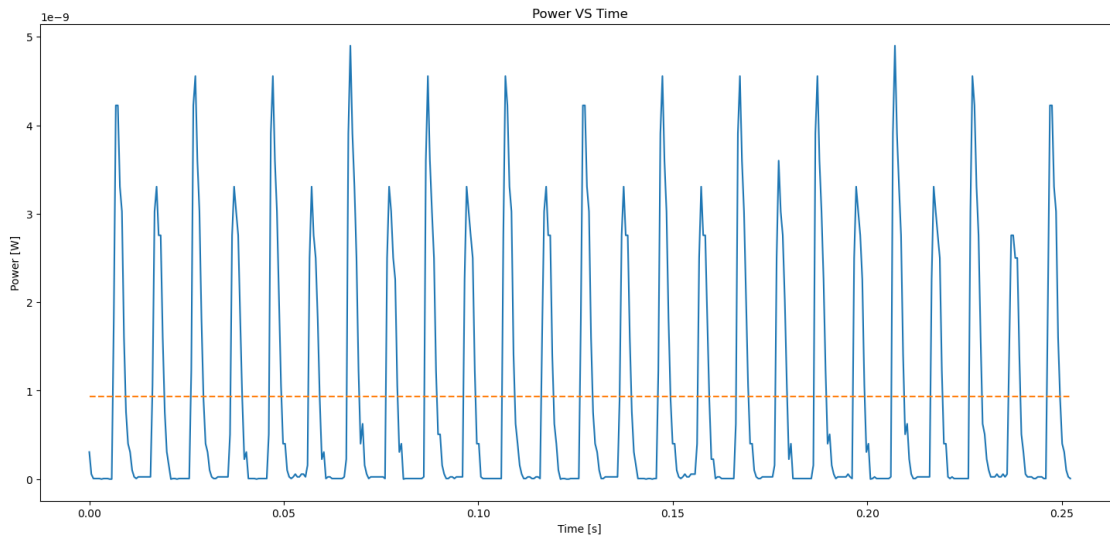
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Mean power: 9.36e-10 [W]
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4 FREQUENCY ANALYSIS

4.1 Voltage frequency peaks

Empty DataFrame Columns: Index(['Freq [Hz]', 'Amplitude percentage'], dtype='object') Index: RangeIndex(st

4.2 Pressure frequency peaks

	Freq [Hz]	Amplitude percentage
0	11.88	83.14
1	23.75	2.42