Measurements

May 27, 2022

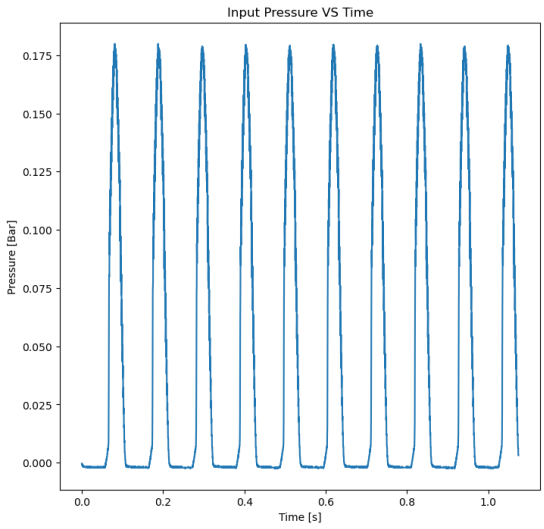
1 PARAMETERS

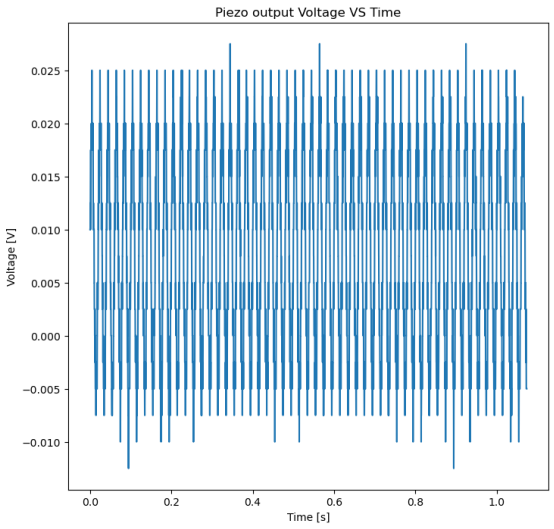
`Sample name: PVDF-109-30min`

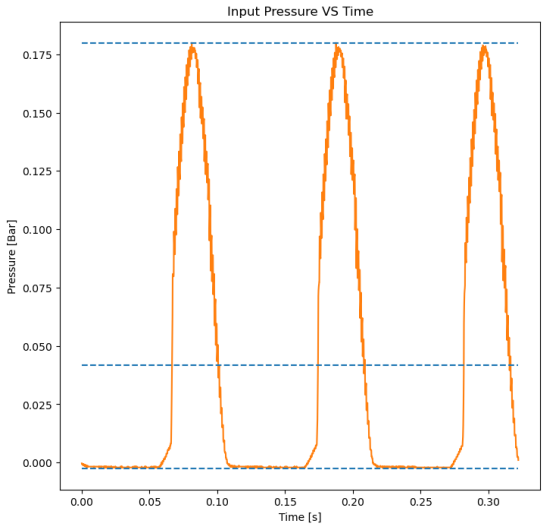
	Parameter	Value	Unit
0	Sample name	PVDF-109-30min	
1	Measure duration	1.073741824	[s]
2	Rload	1000000.0	[Ohms]
3	Nb Periods	3.0	[1]
4	R Circuit	1.0	[Ohms]
5	Max Frequency	100.0	[Hz]

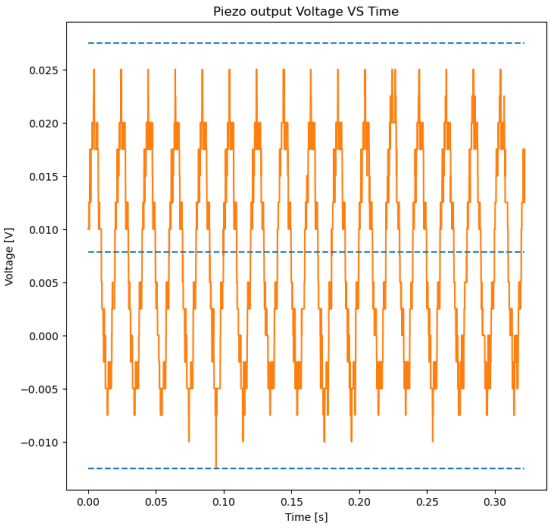
2 PRESSURE AND VOLTAGE MEASUREMENTS

`The input frequency is:  9.31 Hz`



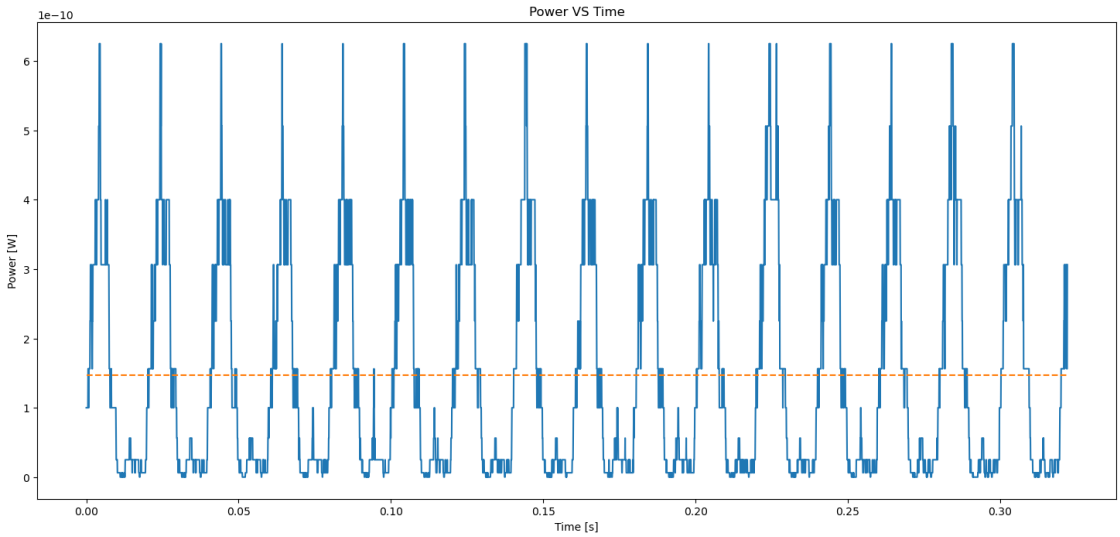






	Variable	Min	Max	Peak to peak	Mean	Mean of absolute value
0	Pressure [Bar]	-2.45e-03	1.80e-01	1.82e-01	4.17e-02	4.38e-02
1	Voltage [V]	-1.25e-02	2.75e-02	4.00e-02	7.85e-03	1.00e-02

3 POWER

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Mean power: 1.47e-10 [W]
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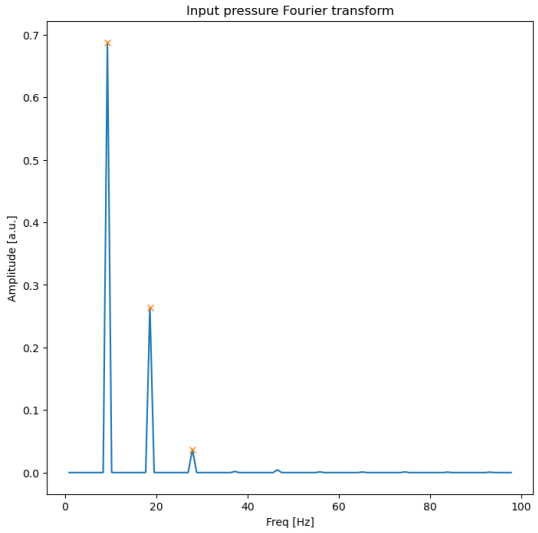
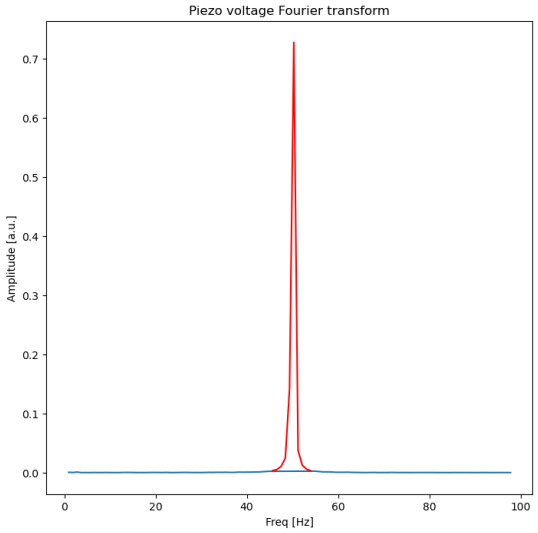
4 FREQUENCY ANALYSIS

If an harmonic appears in the pressure Fourier transform. The piston has to be set to atmospheric pressure.





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	9.31	68.76
1	18.63	26.38
2	27.94	3.70