

Measurements

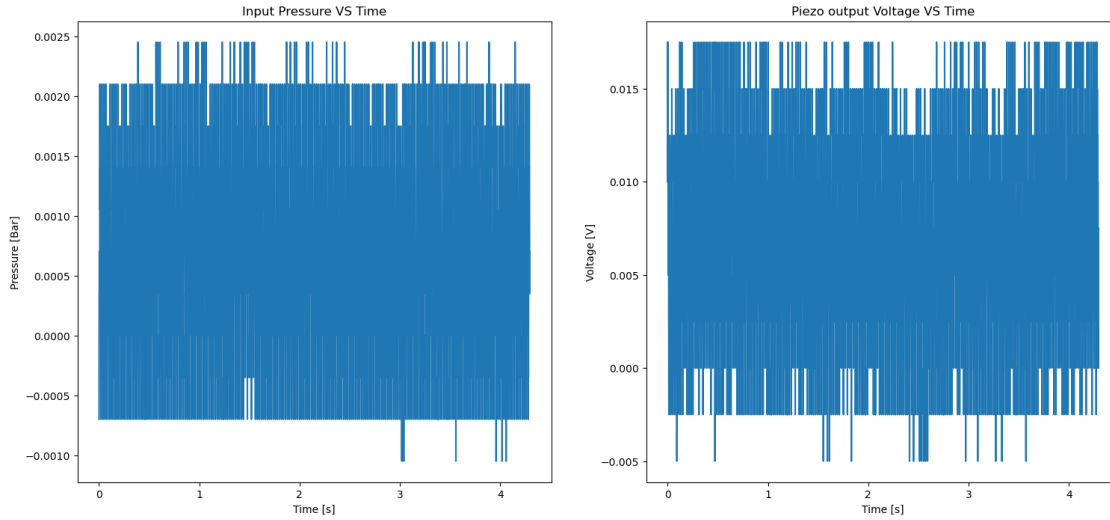
May 13, 2022

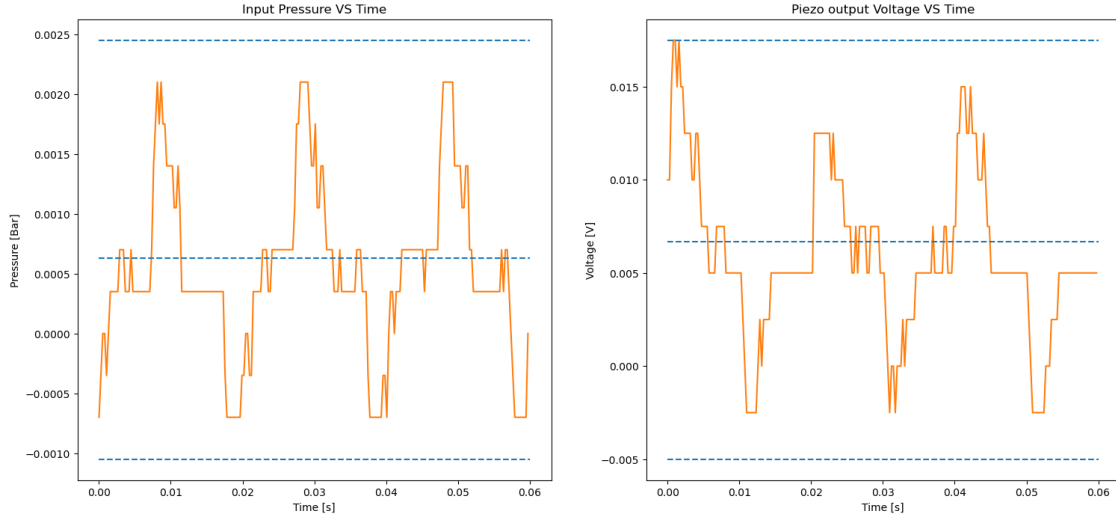
1 PARAMETERS

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

	Parameter	Value	Unit
0	Sample name	ES.PVDF.E9.30m.100nm	
1	Measure duration	4.294967296	[s]
2	Rload	1000000.0	[Ohms]
3	Nb Periods	3.0	[1]
4	R Circuit	1000000.0	[Ohms]
5	Max Frequency	100.0	[Hz]

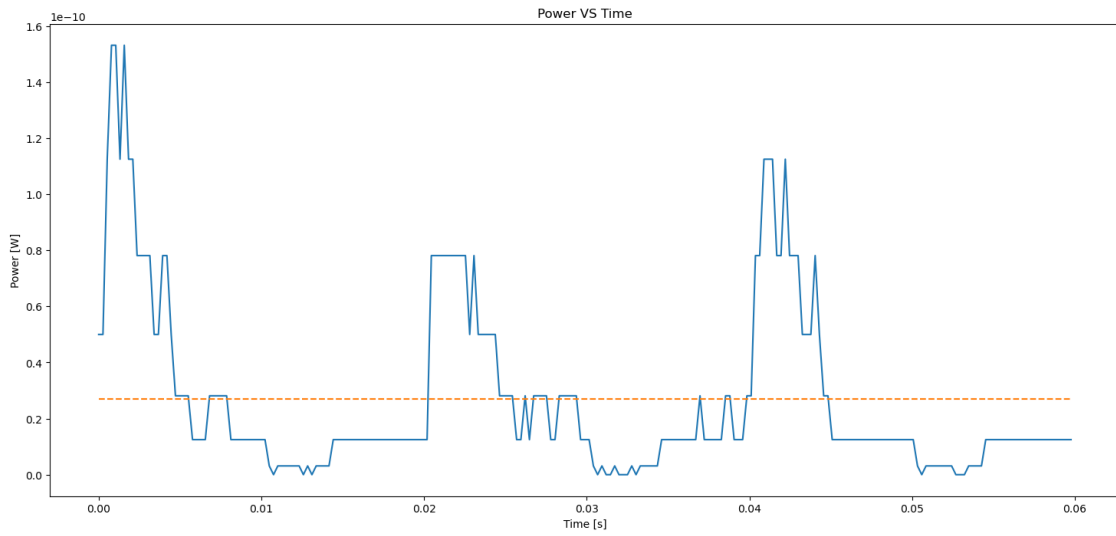
2 PRESSURE AND VOLTAGE MEASUREMENTS





	Variable	Min	Max	Peak to peak	Mean	Mean of absolute value
0	Pressure [Bar]	-1.05e-03	2.45e-03	3.50e-03	6.30e-04	7.83e-04
1	Voltage [V]	-5.00e-03	1.75e-02	2.25e-02	6.68e-03	6.92e-03

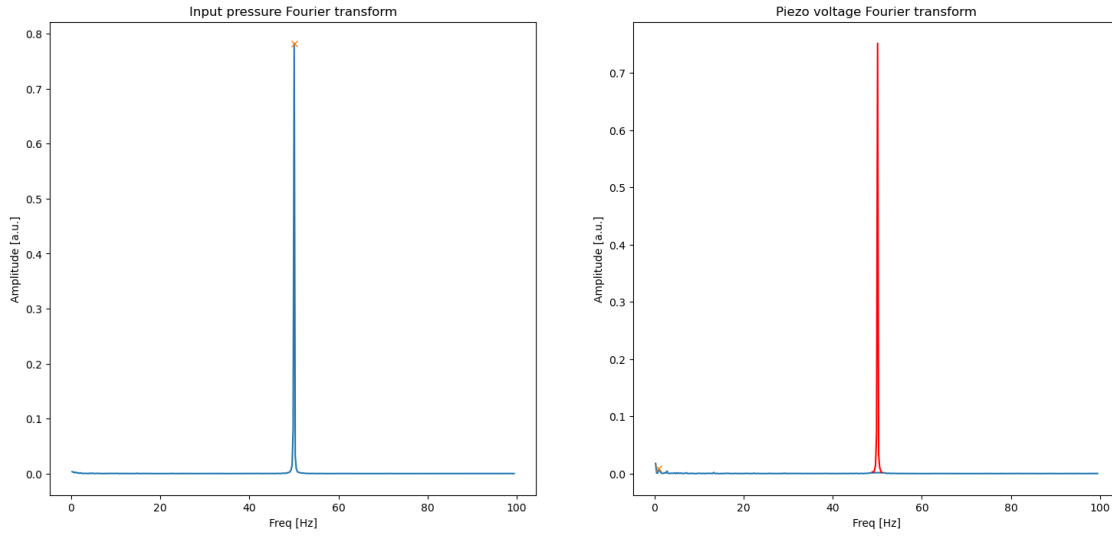
3 POWER



Mean power: 2.71e-11 [W]

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

	Freq [Hz]	Amplitude percentage
0	0.93	0.90

4.2 Pressure frequency peaks

	Freq [Hz]	Amplitude percentage
0	50.06	78.25