

Measurements

March 18, 2022

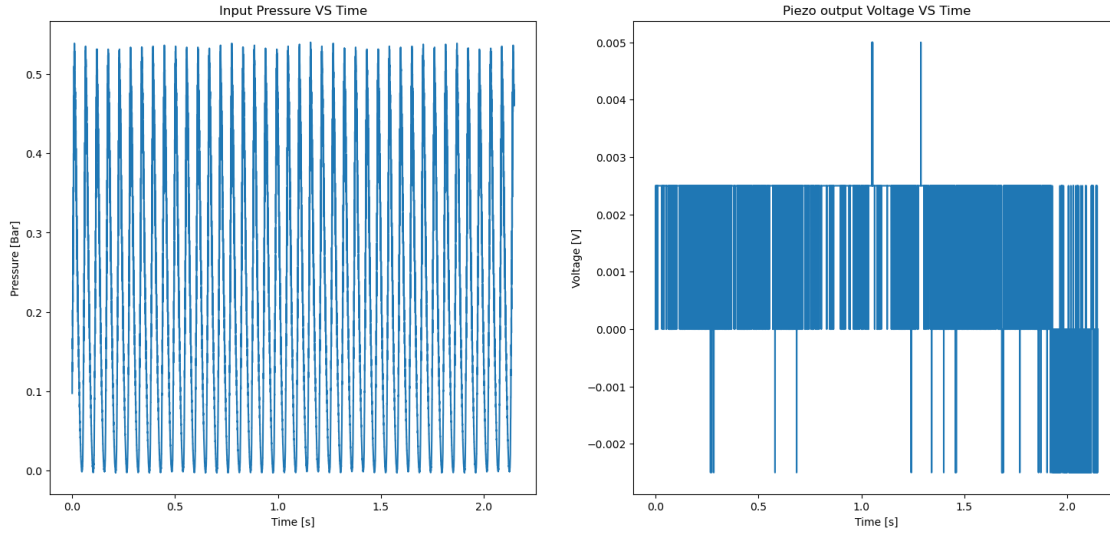
1 PARAMETERS

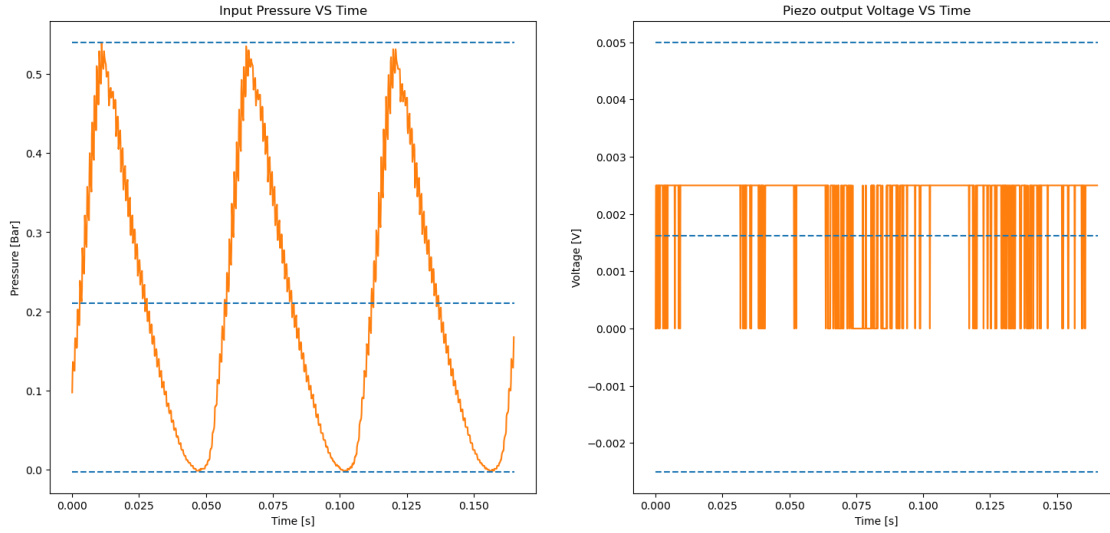
Sample name: ES.PVDF.E0.0m.100nm

	Parameter	Value	Unit
0	Sample name	ES.PVDF.E0.0m.100nm	
1	Measure duration	2.147483648	[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

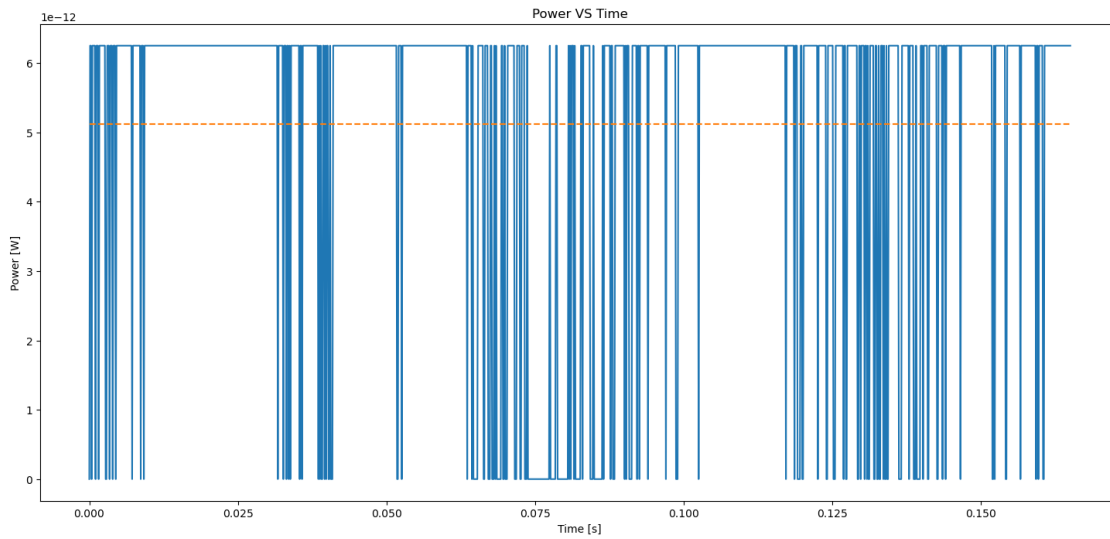
The input frequency is: 18.16 Hz





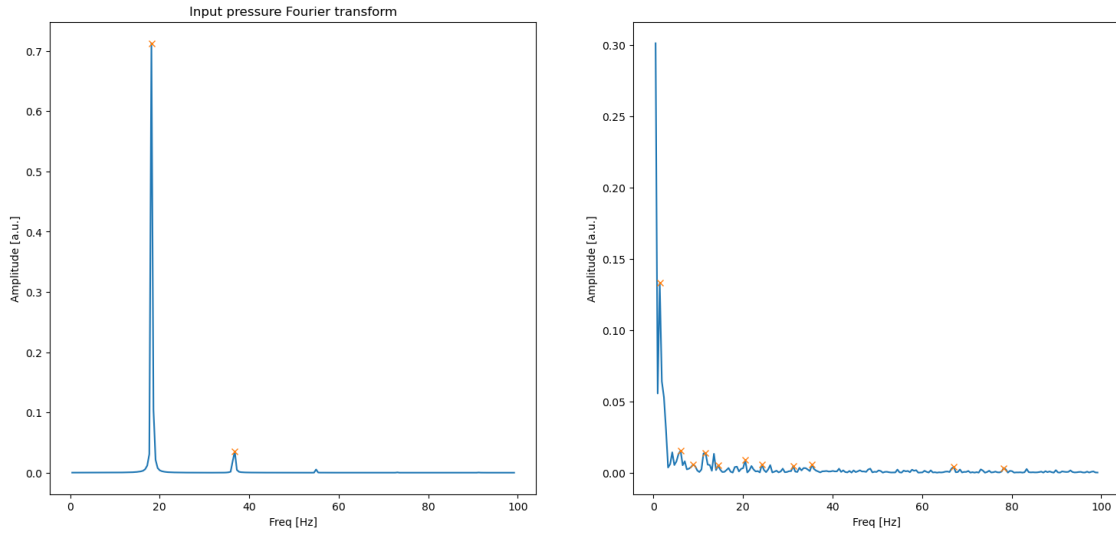
	Variable	Min	Max	Peak to peak	Mean	Mean of absolute value
0	Pressure [Bar]	-2.50e-03	5.40e-01	5.42e-01	2.10e-01	2.10e-01
1	Voltage [V]	-2.50e-03	5.00e-03	7.50e-03	1.62e-03	1.77e-03

3 POWER



Mean power: 5.11e-12 [W]

4 FREQUENCY ANALYSIS



4.1 Voltage frequency peaks

	Freq [Hz]	Amplitude percentage
0	1.40	13.31
1	6.05	1.55
2	8.85	0.57
3	11.64	1.37
4	14.44	0.50
5	20.49	0.88
6	24.22	0.57
7	31.20	0.45
8	35.39	0.55
9	67.06	0.40
10	78.24	0.33

4.2 Pressure frequency peaks

	Freq [Hz]	Amplitude percentage
0	18.16	71.28
1	36.79	3.55