## Measurements

May 27, 2022

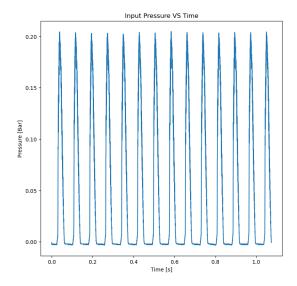
### 1 PARAMETERS

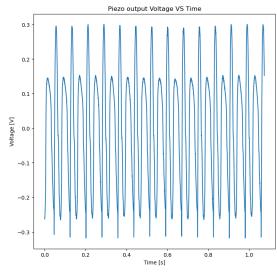
Sample name: PVDF-109-30min

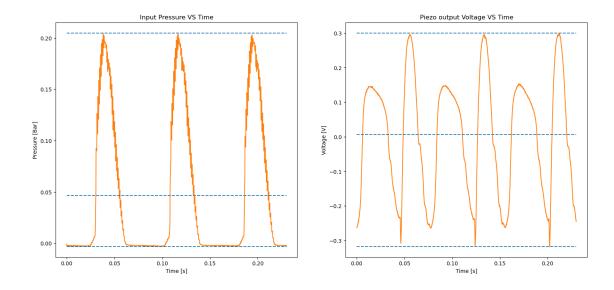
	Parameter	Value	Unit
0	Sample name	PVDF-109-30min	
1	Measure duration	1.073741824	[s]
2	Rload	2000000.0	[Ohms]
3	Nb Periods	3.0	[1]
4	R Circuit	1000000.0	[Ohms]
5	Max Frequency	100.0	[Hz]

## 2 PRESSURE AND VOLTAGE MEASUREMENTS

The input frequency is: 13.04 Hz

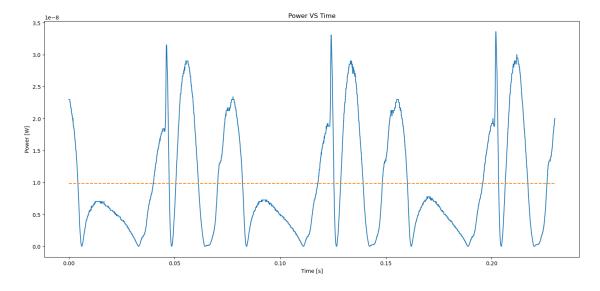






	Variable	Min	Max	Peak to peak	Mean	Mean of absolute value
0	Pressure [Bar]	-3.15e-03	2.05e-01	2.08e-01	4.66e-02	4.91e-02
1	Voltage [V]	-3.18e-01	3.00e-01	6.17e-01	6.34 e-03	1.54e-01

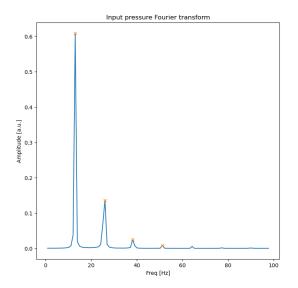
# 3 POWER

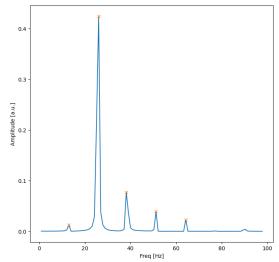


Mean power: 9.82e-09 [W]

# 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	13.04	1.27
1	26.08	42.41
2	38.19	7.71
3	51.23	3.90
4	64.27	2.29

### 4.2 Pressure frequency peaks

	Freq [Hz]	Amplitude percentage
0	13.04	60.84
1	26.08	13.60
2	38.19	2.43
3	51.23	0.81