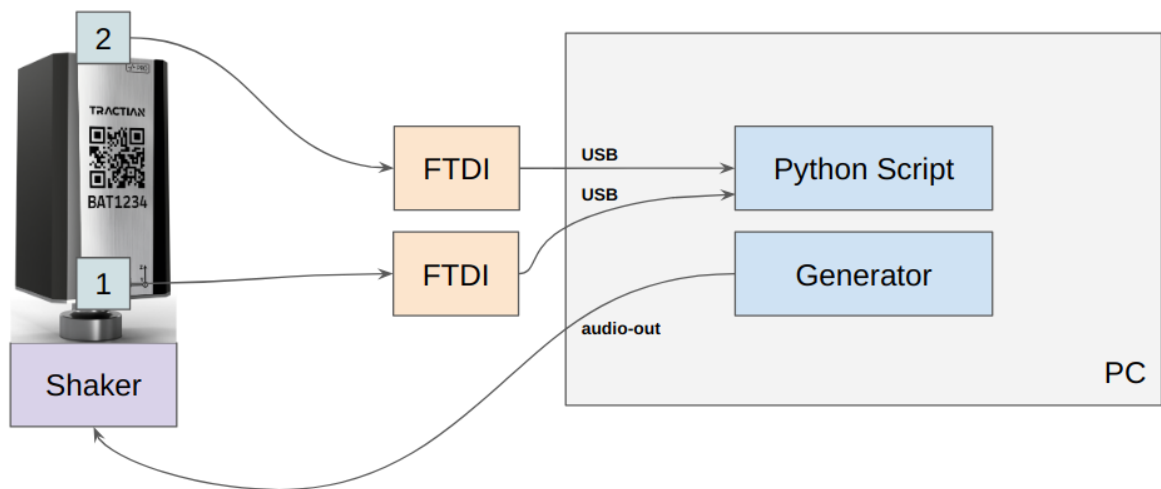## Imagine the following situation:

**Goal:** you need to develop and execute a methodology to obtain the transfer function between two vibration sensors.

**Setup:** below is the block diagram of the system:



## Requirements:

- Documentation (in English):
    - Test methodology
    - Results
    - Conclusions

## Resources:

- Shaker Modal: K2007E01
- Generator: Software REW
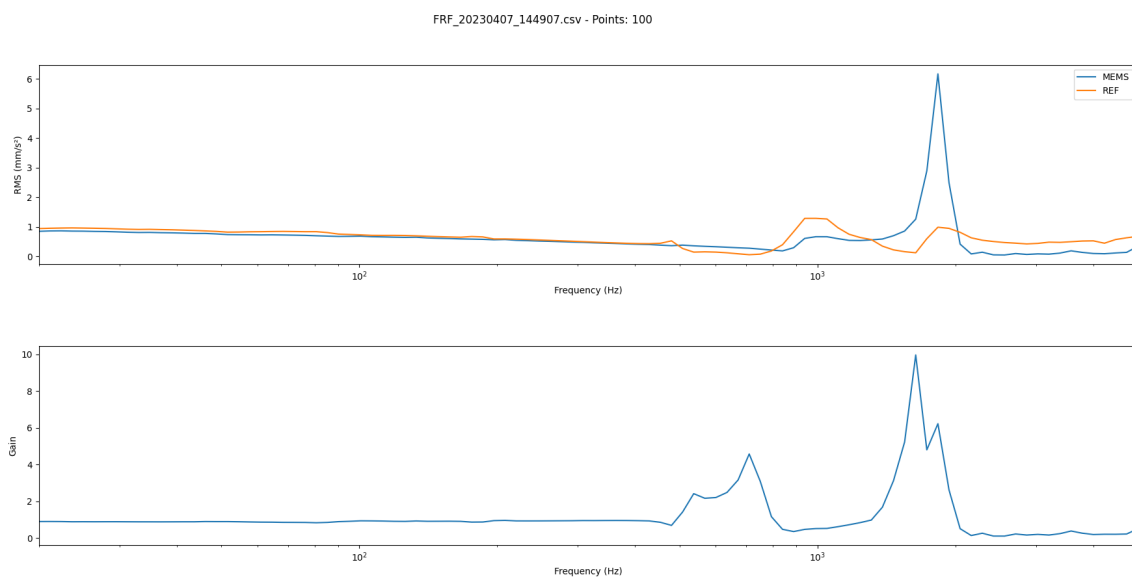- Python Script: Acquisition, CSV and Plot - Template

## Important:

1. Any type of consultation and research is allowed
2. Your time management and organization of activities are also being observed

## Mandatory:

1. Bode Plot of Amplitude of the Frequency Response Function (FRF) plot. Example:



FRF_20230407_144907.csv - Points: 100

## Differentials:

1. Bode Plot of Phase of the FRF
2. H1 estimator