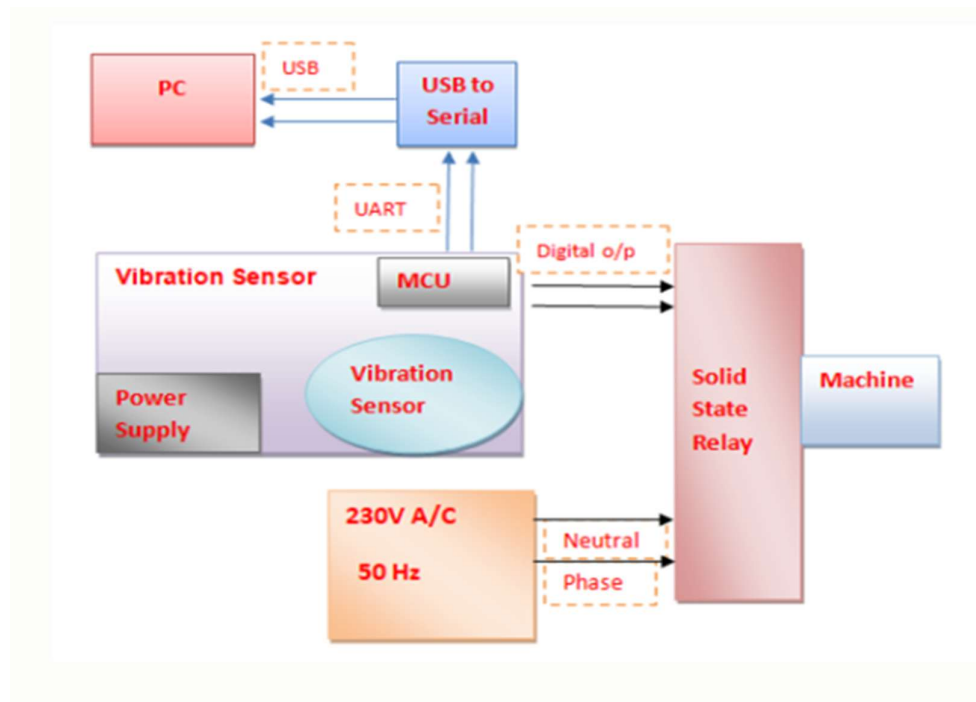


## Vibration Sensor- A case study

This vibration sensor can be used for understanding the mechanical vibrations which can lead to catastrophic failures in moving instruments due to unbalance or any other reasons, which can lead to the vibrations which deteriorates over time. Vibrations of any high speed or high power machines can cause huge amounts of losses to the systems. So it is advised to "shut off" the machine and attend to the cause of vibration and rectify to minimize the losses.

Aashaya Group of companies offers a simple high sensitivity and high accuracy vibration Sensor. This Vibration Sensor works up from -400G force to +400G force in all 3 directions (X, Y and Z directions).



**Block Diagram**

The device further monitors the V & I of the supply to see any variations. Threshold value for the vibration, V and I can be set. Data is gathered and analyzed using AI/ML algorithms for any violations and automatically shuts the power supply through the Solid State Relay.

For any further queries, please contact us at 99010-23235