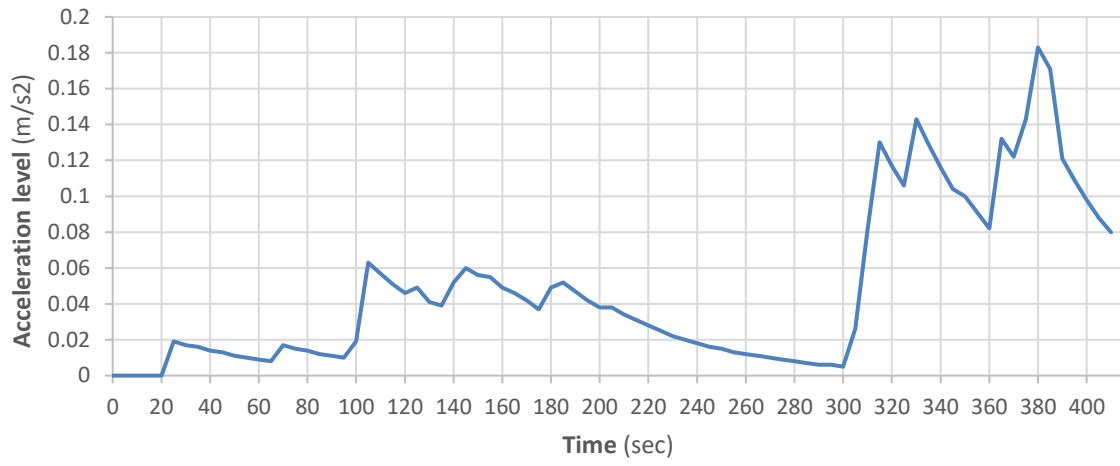


Vibration Sensor Sensitivity Analysis



Vibration sensor data

| Serial | Time(sec) | Acceleration (m/s ²) | Calibration Level |
|--------|-----------|----------------------------------|-------------------|
| 1 | 0 | 0 | Low |
| 2 | 5 | 0 | Low |
| 3 | 10 | 0 | Low |
| 4 | 15 | 0 | Low |
| 5 | 20 | 0 | Low |
| 6 | 25 | 0.019 | Low |
| 7 | 30 | 0.017 | Low |
| 8 | 35 | 0.016 | Low |
| 9 | 40 | 0.014 | Low |
| 10 | 45 | 0.013 | Low |
| 11 | 50 | 0.011 | Low |
| 12 | 55 | 0.01 | Low |
| 13 | 60 | 0.009 | Low |
| 14 | 65 | 0.008 | Low |
| 15 | 70 | 0.017 | Low |
| 16 | 75 | 0.015 | Low |
| 17 | 80 | 0.014 | Low |
| 18 | 85 | 0.012 | Low |
| 19 | 90 | 0.011 | Low |
| 20 | 95 | 0.01 | Low |
| 21 | 100 | 0.019 | Low |
| 22 | 105 | 0.063 | Medium |
| 23 | 110 | 0.057 | Medium |
| 24 | 115 | 0.051 | Medium |
| 25 | 120 | 0.046 | Medium |
| 26 | 125 | 0.049 | Medium |
| 27 | 130 | 0.041 | Medium |
| 28 | 135 | 0.039 | Medium |
| 29 | 140 | 0.052 | Medium |
| 30 | 145 | 0.06 | Medium |
| 31 | 150 | 0.056 | Medium |
| 32 | 155 | 0.055 | Medium |
| 33 | 160 | 0.049 | Medium |
| 34 | 165 | 0.046 | Medium |
| 35 | 170 | 0.042 | Medium |
| 36 | 175 | 0.037 | Medium |
| 37 | 180 | 0.049 | Medium |
| 38 | 185 | 0.052 | Medium |
| 39 | 190 | 0.047 | Medium |

| | | | |
|----|-----|-------|--------|
| 40 | 195 | 0.042 | Medium |
| 41 | 200 | 0.038 | Medium |
| 42 | 205 | 0.038 | Medium |
| 43 | 210 | 0.034 | Medium |
| 44 | 215 | 0.031 | Low |
| 45 | 220 | 0.028 | Low |
| 46 | 225 | 0.025 | Low |
| 47 | 230 | 0.022 | Low |
| 48 | 235 | 0.02 | Low |
| 49 | 240 | 0.018 | Low |
| 50 | 245 | 0.016 | Low |
| 51 | 250 | 0.015 | Low |
| 52 | 255 | 0.013 | Low |
| 53 | 260 | 0.012 | Low |
| 54 | 265 | 0.011 | Low |
| 55 | 270 | 0.01 | Low |
| 56 | 275 | 0.009 | Low |
| 57 | 280 | 0.008 | Low |
| 58 | 285 | 0.007 | Low |
| 59 | 290 | 0.006 | Low |
| 60 | 295 | 0.006 | Low |
| 61 | 300 | 0.005 | Low |
| 62 | 305 | 0.026 | Low |
| 63 | 310 | 0.081 | High |
| 64 | 315 | 0.13 | High |
| 65 | 320 | 0.117 | High |
| 66 | 325 | 0.106 | High |
| 67 | 330 | 0.143 | High |
| 68 | 335 | 0.129 | High |
| 69 | 340 | 0.116 | High |
| 70 | 345 | 0.104 | High |
| 71 | 350 | 0.1 | High |
| 72 | 355 | 0.091 | High |
| 73 | 360 | 0.082 | High |
| 74 | 365 | 0.132 | High |
| 75 | 370 | 0.122 | High |
| 76 | 375 | 0.143 | High |
| 77 | 380 | 0.183 | High |
| 78 | 385 | 0.171 | High |
| 79 | 390 | 0.121 | High |
| 80 | 395 | 0.109 | High |
| 81 | 400 | 0.098 | High |
| 82 | 405 | 0.088 | High |
| 83 | 410 | 0.08 | High |

Vibration Sensor responsive test

