

Perpetuum **HAWK** Vibration Assessment Tool

Instructions for use:



This tool will tell you which of the harvester frequency models will work best in a particular application.

Note: Hazardous area certification of this tool is pending.

1. Remove the bottom “magnet cap” and place the device on the machine.
Note: The magnet should hold, but take care if attaching to machinery with difficult surfaces.
2. Press the small button “Go” on the bottom right. The “Go” LED on the bottom left will light up.
3. After a few seconds, LED’s light up against the various frequency options (120, 100, 60, 50, 30, 25 Hz).
4. Interpretation for each nominal frequency:
 - a. A flashing light indicates a VEH will output between 0.3mA and 0.6mA at that frequency
 - b. A continuous light indicates a VEH will output .6mA or greater at that frequency
 - c. One light will stay on for 8 seconds to indicate the best frequency harvester.
5. If no lights come on, repeat trying other possible mounting points on the machine.
6. Log the motor identification number and corresponding harvester frequency.
7. Repeat the process for all other source motors of interest.