




# Pre-Survey Guide

## Preparation

Cutting Tools	The protective case will be sealed shut using plastic cable ties. It will be necessary to cut them to gain access inside the case.	
Ability to lift 50lb	The MAV-Sense™, including its protective case, weighs 48lb (22kg). The case comes equipped with wheels and handle. Be prepared to, if necessary, carry the unit and case up stairs or similar obstacles. The unit itself weighs 21lb (9.2Kg).	
Extension Cord	The MAV-Sense™ includes a 6 foot (1800mm) long power cable. Depending on where in the room the MAV-Sense will be placed, an extension cord (not included) may need to be utilized.	

## Choosing Your Survey Location

When should I conduct my test?	Equipment performance issues are often related to vehicle traffic (internal or external), construction, employee shift changes, and other predictable but periodic events. Running tests that capture one or more of these periodic disturbances (for example, traffic after the completion of a workday) may provide you with a more complete picture of what disturbances may be affecting your equipment or measurements.
Where should I run my test?	Please note that the feet of the MAV-Sense™ are aluminum and could damage fragile surfaces it is placed on, take caution during set up. Call your TMC contact with questions. For optimal results, aim to set up your test as close to the specific piece of equipment you want to characterize as you can. In some cases, it might be beneficial to take measurements directly on top of the equipment. However, ensure safety for both your equipment, the MAV-Sense™, and personnel setting up the survey before placing the MAV-Sense™ unit on any equipment surface. If you're assessing a new site, position the MAV-Sense™ unit where your sensitive equipment or measurements will eventually be stationed.
Are there things to avoid?	<p>For optimal performance, the MAV-Sense™ functions best when it experiences the same environmental conditions as the equipment or measurement it represents. For instance, if the target location is carpeted but the carpet might be removed later, it's advisable to either remove a small section of carpet for testing purposes or find a nearby area without carpet to avoid distorting the vibration data transmitted through the floor.</p> <p>Maintaining data hygiene is crucial for accurate results with the MAV-Sense™. It's essential to communicate to those working near the MAV-Sense™ that it should not be touched, subjected to unusual foot traffic, or exposed to abnormal audible noise, as these factors could introduce errors into the collected data.</p> <p>The MAV-Sense™ ground vibration sensors are sensitive to magnetic fields. If your facility has known strong magnetic fields, it's important to document this in the test notes, as it could potentially affect the data collected by the MAV-Sense™.</p> <p><b>The MAV-Sense™ device is not designed to get wet or be used outdoors.</b></p>

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## More Resources



[Setup Sheet](#)



[Setup Video](#)

## Check List

Be sure you and your site will be ready to conduct your survey in a timely manner. The MAV-Sense<sup>TM</sup> must be returned in a timely manner to avoid fees.

Order Details	Make sure that the address, building, floor, etc. are correct on your purchase order so that the MAV-Sense <sup>TM</sup> unit is shipped to the right location	<input type="checkbox"/>
Floor	Is the floor condition representative of end-use conditions	<input type="checkbox"/>
Notes	Write room description, time and date, and any sources of error in the title and notes of floor surveys	<input type="checkbox"/>
Signage	If the MAV-Sense <sup>TM</sup> is placed in a busy area, please provide cones, caution tape, or a sign to discourage people or vehicles from getting too close and disrupting the test in progress	<input type="checkbox"/>

## Return

Pack Items	Make sure to pack the MAV-Sense <sup>TM</sup> box, screen, power cord, set-up guide, and any paper instructions you may want to include	<input type="checkbox"/>
Return Label	Attach included shipping label to exterior of box	<input type="checkbox"/>
Cable-tie Box	Use included cable-ties to secure box closed	<input type="checkbox"/>