HAVI™ Instructions

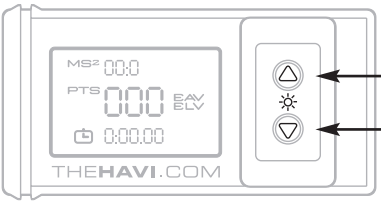
The HAVi (Hand Arm Vibration indicator) is designed to measure actual exposure to vibration (Trigger Time) and help reduce the risk of developing HAVS (Hand Arm Vibration Syndrome). The device measures real tool time and displays exposure points as recommended by the HSE (Health and Safety Executive).

Setting the Vibration Magnitude (m/s²)

Vibration information can be obtained from the equipment manufacturer, supplier or by reference to the various online databases.

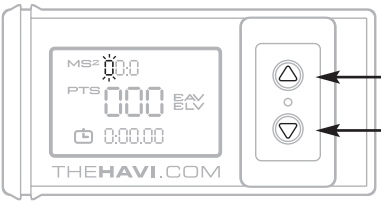
The HAVi can be set to any vibration magnitude in the range 0.1 to 25.5 m/s², in increments of 0.1.

Once you know the correct vibration magnitude for the tool, the HAVi can be set as follows:



TO SWITCH THE UNIT ON, PRESS AND HOLD BOTH BUTTONS FOR 5 SECONDS, THE LIGHT WILL BEGIN TO FLASH

STEP 1
To activate press down the white and red buttons together for 5 seconds, on release the LED light flashes amber/red and the display comes to life.



WHITE BUTTON PRESS TO CHANGE NUMBER

RED BUTTON PRESS TO LOCK

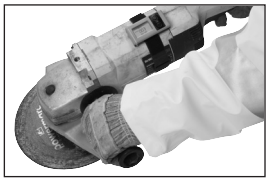
STEP 2
The first digit of the m/s² field will be flashing. To alter this digit from 0 to 1 or 2, press the white button. Once you have set the first digit, press the red button to lock.

STEP 3
The second digit now flashes, use the white button to change the second digit from 0-9 and then lock in using the red button. Repeat this process for the third digit.

STEP 4
If an error is made the memory can be cleared by pressing both buttons simultaneously for 5 seconds. This will shut down the HAVi and you must then begin from STEP 1.

Attaching to the Tool

Inside the box you will find two cable ties and a HAVi adjustable strap. Depending on the type of machine that the HAVi is being attached to, these will prove more than adequate to secure the HAVi effectively. Ensure the HAVi is attached in a position where the user can view the screen.

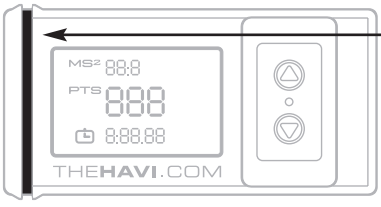


Traffic Lights System.

If required the HSE traffic lights system can be used with the HAVi. Three different colour bands are provided with each device. These bands can be used on tools by using the following colour system.

Green - Less than 5m/s²
Yellow - 5m/s² - 10m/s²
Red - Above 10m/s²

The HAVi has a groove where if required the coloured bands will easily fit. See below.



COLOURED BAND

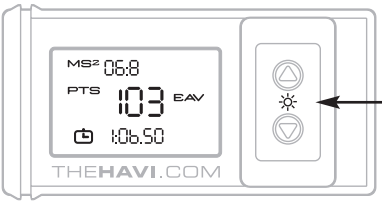
Getting Started

The machine is now setup and ready for use.

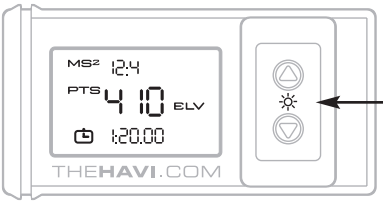
The display will show: **Vibration magnitude in m/s²**
HSE exposure points
Trigger time in hours, minutes and seconds

The exposure points and time increase with usage.

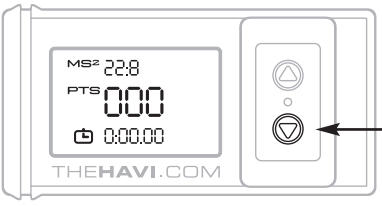
When the points reach 100, an Amber Light will flash to indicate to the operative that the EAV - Exposure Action Value has been reached.



When the points reach 400 a Red Light will flash signaling to the operative to cease work as they have reached the maximum daily limit.



If the tool is being used by more than one operative throughout the day the exposure points can be reset by holding down the red button for 5 seconds after each operative.



At the end of the Working Day.

Press the red button to turn on the HAVi. Keep the button pressed for at least 5 seconds to make sure that the exposure points and trigger time are reset to zero. The vibration magnitude will remain as previously programmed.

To reset the vibration magnitude, go to Step 1 above.

To safeguard the battery, the HAVi display will go blank when not in use, however the vibration magnitude, exposure points and trigger time will remain in the memory. The HAVi display will turn on automatically once it detects any vibration. To turn the display on manually, press the white button.

The HAVi is an aid to good health and safety practice when used as part of a comprehensive and robust approach to health and safety, but does not reduce or remove any obligations imposed in any way on the operator or the operator's employer (if applicable). As a minimum the user should always:

Comply with all relevant health and safety obligations, training and/or directions given by (as may be applicable): the manufacturer of the tool(s) being used, the user's employer, a duly appointed health and safety officer/officer of the Health and Safety Executive, or any other relevant source;

Check that the unit is operating correctly and that the display is functioning;

Check that the unit is operating with the correct m/s² rating for the tool being used (which can be found by consulting the manufacturer's instructions or on various online databases; and seek further information if in any way you are unsure about any aspect of their health and safety obligations.

Your statutory rights are unaffected.

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www.thehavi.com

PATENT PENDING