

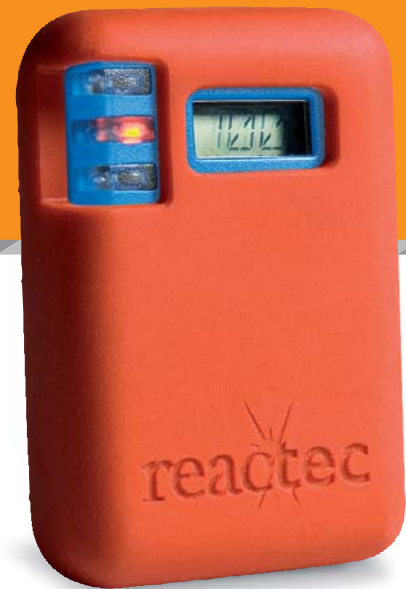
HAVMETER

The complete solution to HAV.



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Protecting your employees

The HAVmeter makes it easy for your organisation to meet the challenge of ensuring that employees using vibrating power tools are protected from the dangers of over-exposure to Hand Arm Vibration (HAV).

Each tool operator is allocated a HAVmeter which automatically records the amount of vibration they are being exposed to.

A flashing LED indicates to the user whether they have reached their Exposure Action Value (EAV) or Exposure Limit Value (ELV). These exposure levels can be easily reduced, if any operatives show existing signs of HAVS. This ensures that the whole workforce stays protected.

The HAVmeter system protects entire organisations through accurate monitoring and reliable management.

Putting the system into practice couldn't be simpler.

HAVmeter

The HAVmeter is a small, durable device that protects against Hand Arm Vibration Syndrome. It has been designed without buttons or switches to minimise employee input and maintain ruggedness. The HAVmeter gives a real time reading of exposure points based on recommendations by the HSE. It's rechargeable battery means that ongoing daily use is trouble free.

Tool Tag

Tool Tags contain basic tool and vibration data. They are the smallest and most rugged part of the system and are fixed to the tool at all times. Tool Tags are colour coded green, amber and red to allow operatives to easily identify the general vibration level of a tool. The HAVmeter connects to the tool through a strong magnetic connection with the Tool Tag.



The Basestation

The Basestation is used to store and recharge HAVmeters when they are not in use. Each Basestation can accommodate up to eight HAVmeters. When a HAVmeter is returned to the Basestation at the end of a shift, all data is automatically downloaded and stored on an internal memory and a removable SD card. The data can be easily accessed by removing the SD card and copying the data to a PC.



Software

The HAVmeter system uses Toolminder software to store data in a secure, tamper proof database. Toolminder provides several standard reports and a flexible report writer to analyse employee exposure and tool usage.

Using the HAVmeter



- 1. Unit Pick Up.** Each employee assigns themselves a HAVmeter using their personalised card or PIN.
- 2. Attaching to the Tool.** Each tool is fitted with a colour coded Tool Tag. The HAVmeter then attaches to the tool through a strong magnetic connection with the Tool Tag.
- 3. Portable Device.** The operative keeps their HAVmeter with them for the duration of their shift, connecting to as many different tools as needed. The operative's vibration exposure is then recorded throughout the day and is displayed by a flashing LED and on-screen points reading.
- 4. Unit Drop Off.** At the end of the shift, each employee returns their HAVmeter to the Basestation where it automatically begins recharging. All of the data on the HAVmeter is then instantly downloaded and stored on an internal memory and SD card.
- 5. Reporting.** The data held on the Basestation is easily transferred to a PC in a tamper proof format. Management can now create custom made, accurate reports covering everything from employee exposure to tool usage.

Hand Arm Vibration Syndrome (HAVS)

Excessive and frequent use of vibrating tools commonly results in the onset of **Hand Arm Vibration (HAVS)**. HAVS is the umbrella term for a number of painful and disabling disorders of the blood vessels, nerves, joints and tendons in the hands and arms.

Vibration exposure is measured using the HSE recommended point system, the exposure action value (EAV) and the exposure limit value (ELV).

With the disease very much in the public eye, the EU passed a 2002 directive on the minimum health and safety requirements regarding the exposure to Hand Arm Vibration and Whole Body Vibration.

The UK enacts this European Directive as the Control of Vibration Regulations (2005), made under the Health & Safety at Work Act (1974). Employers are required by law to ensure that certain steps are taken when employees reach their daily EAV and ELV.

Definitions

To calculate daily exposure levels the vibration magnitude (level) and exposure time are both required.

Exposure action value (EAV) 100 points

Using the recommended HSE's exposure points system at which level employers should introduce technical and organisational measures to reduce exposure.

Exposure limit value (ELV) 400 points

Meaning the level of vibration exposure that workers should not exceed under any circumstances – they must stop using vibrating tools for that day.

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The benefits of the HAVmeter

■ Simple

The HAVmeter is an easy to use portable device that manages hand arm vibration accurately. The LEDs flash amber at the EAV (Exposure Action Value) and red at the ELV (Exposure Limit Value).

■ Trusted

The system replaces inaccurate and inefficient paper based systems with fully auditable, tamper proof data. H & S Managers can compile a large variety of reports for individuals, departments, tool usage and regions etc.

■ Durable

The HAVmeter's proven resilience means it will protect workers in all conditions. It is waterproof, dust proof and can be used in temperatures from -10° to 40°.

■ Innovative

The award winning HAVmeter has combined cutting edge vibration technology with rugged durability to provide a complete solution to HAVS management.

■ Proven

Thousands of HAVmeters are being used every day in construction, utilities, public sectors, manufacturing and extraction.

■ Value for Money

Protect your workforce from HAVS with the HAVmeter for less than 60p per operator per day.*

■ Cost Savings

Customers using the HAVmeter have seen cost reductions in fleet management, tool maintenance and insurance premiums.

■ Compliance

Organisations using the HAVmeter system are pursuing industry standard and best practice; leading the way in Health & Safety.

* 60p per day is based on 3 year cost of ownership of typical deployment

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The complete solution to HAVS

- HAVS is preventable, but once the damage is done it is permanent.
- HAVS is serious and disabling. In the UK nearly 2 million people are at risk.
- Damage from HAVS can include the inability to do fine work and the cold can trigger painful finger blanching attacks.
- There are simple and cost effective ways to eliminate the risk of HAVS.
- Monitoring HAV exposure across the workforce has created an administrative burden. One approach is to keep a paper based record of the time each employee spends using vibrating tools. This only provides a rough estimate as to the exact time spent on or using vibrating tools.
- The HAVmeter is the ideal solution because it puts the employee at the centre of HAV management. It encourages self monitoring and employees are given an accurate, real time reading of their own personal vibration exposure. The user quickly becomes accustomed to keeping within legal limits.
- Feedback from tool operators has been excellent because of its ease of use. The green, amber and red tool tags give a visual indication of the general vibration level of the tools. The flashing LED's on the HAVmeter also give the operative a clear indication of exactly when their legal limits are reached.

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What our customers say...



Paul Fleetham - National Contracting Director, Tarmac

"Paper based systems never really worked, the HAVmeter replaced that system with the latest technology which allows us to accurately measure and monitor our employees' exposure to HAVS. After rolling it out we are seeing a positive result from the workforce who like the system and think it is easy to use. It's great for self monitoring and the Tool Tags can also be used as a tracking device."



Chris Webber - Health & Safety Manager, Sir Robert McAlpine

"The saying, 'if you always do what you always did, you'll always get what you always got' is so true for the control of exposure from hand and arm vibration. In today's work environment, guessing at an individual's exposure time is no longer an option and poor record keeping may involve some difficult justification. Whether you're an employer, a supervisor or employee, the HAVmeter system from Reactec gives you the confidence that you are effectively managing personal exposure."



Speedy Hire

"Speedy Hire's understanding of customers and 'can do' attitude has ensured our position as a 'leading' company in our sector. We are pleased to be a strategic partner to Reactec's innovative HAVmeter system and provide the leading solution for the industry."



Norman McLeod - Health & Safety Co-ordinator, Stirling Council Roads, Transport and Open Space

"The HAVmeter system for me is the complete system. Not only does it first and foremost protect the workforce but it also assists Stirling Council in its compliance with the vibration regulations. A brilliant piece of technology which was badly needed that makes managing and monitoring the control of HAVs much more robust, simple and streamlined."



Mike Rogers - Head of Policy and Performance, Carmarthenshire County Council

"The HAVmeter not only empowers the workforce to personally monitor their own exposure levels but also enables managers to take a proactive approach to the management of vibration on a more long term basis. The feedback from everyone involved has been excellent."



AXA Insurance

"AXA recognises the role the HAVmeter system plays in reducing the health and safety risks associated with Hand Arm Vibration (HAV). Minimising this risk can greatly help to reduce a company's exposure to HAVS claims."



Robert Skinner - Group SHE Director, Severfield Rowen Group

"Severfield Rowen Group is committed to ensure our employees work in a healthy and safe environment. We are therefore working with Reactec and their HAVmeter to reduce the risk of vibration to our employees within the steel fabrication industry. By measuring tool usage and exposure levels we are able to produce data to enable us to manage and control the individual's exposure to a more acceptable level."

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