



measure + manage + minimise

LEADERS IN WORKPLACE

VIBRATION MANAGEMENT

Real-time vibration measurement and monitoring.

curotec

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Curotec provides state-of-the-art solutions to help employers achieve regulatory compliance and protect their personnel from the risks of Whole Body and Hand Arm Vibration.

We are trusted suppliers to a growing number of local authorities and blue-chip companies in the construction, infrastructure, manufacturing and engineering sectors.

| Device | Application | Standards of Regulatory Compliance |
|---|---|--|
|  <p>Q2</p> | Real-time vibration measurement and alerts. | <ul style="list-style-type: none"> > Monitors exposure to vibration in accordance with ISO 5349-1:2001 and European Directive 2002/44/EC. > Supports compliance with The Control of Vibration at Work Regulations 2005. > Measures vibration emissions to accuracy levels that exceed the requirements specified in ISO 8041-1:2017. |
|  <p>Alert</p> | Pro-active, preventive maintenance for vibrating equipment. | <ul style="list-style-type: none"> > Conforms to the Provision and Use of Work Equipment Regulations 1998. |

Don't estimate workers' vibration exposure – MEASURE IT!

To learn more about the benefits of deploying **Curotec** vibration management solutions, visit our website.

Talk to us today - 01488 662790 / sales@curotec.uk.com



INTRODUCING THE Q2 PERSONAL VIBRATION MONITOR

Q2 is the only HSE-compliant personal vibration monitor that measures actual vibration emissions.

The device tracks employees' exposure in real time, notifying both operator and their supervisor when an individual reaches specified levels.

HSE is very clear on the risk of using ELV as a guide to 'a safe daily dose' - *"Restricting exposure to just below the Exposure Limit Value will still result in many workers developing hand-arm vibration syndrome (HAVS)."*

So **Q2** allows you to set individual exposure values for each and every worker, according to their role and the environment in which they work. And by measuring exposure-point accumulations in real time, **Q2** will instantly emit a yellow alert when an operator reaches 50% of daily exposure value, and transmit a red alert to their supervisor at 90%.

By setting values appropriate to different roles and working environments, you can really begin to drive continual improvement in the way you manage vibration. And crucially, by discarding the 'one-limit-fits-all' approach, you can work towards *"reducing exposure to the lowest level reasonably practicable"*, as demanded by The Control of Vibration at Work Regulations 2005.



Fully compliant with the revised HSE guidelines on Vibration Exposure Monitoring

If you're currently using wrist-mounted vibration PPE, you could be in breach of the latest HSE guidelines: *"There is currently no wrist or glove mounted device which measures vibration suitable for use in a vibration risk assessment"*

And if your employees aren't using the Q2, you're not doing all you can to protect them from the risk of HAVS and Whole Body Vibration.



CHANGING THE WAY VIBRATION AT WORK IS MONITORED AND MANAGED

Q2 represents a colossal leap forward in personal vibration technology – because it measures actual real-time vibration on the tool, with a level of accuracy that exceeds the requirements specified in ISO 8041-1:2017.

Regulatory compliance – Q2 conforms to the latest HSE guidance that “Hand-arm vibration measurements should be made with the transducer firmly attached to the vibrating surface.”

Capability – measures actual levels of Hand Arm AND Whole Body vibration - switch from a drill to a dumper truck, and the Q2 tracks accumulation of HAV and WBV exposure points.

Performance – next-generation technology measures real-time vibration to accuracy levels that exceed requirements specified in ISO 8041-1:2017.

Functionality – automated data uploads, plus operator and supervisor alerts triggered at bespoke exposure values.

Automated reporting – Exposure Summary Report sent to duty holder’s inbox every Monday morning.

Unrivalled features and benefits

- > Complies with revised HSE guidelines on Vibration Exposure Monitoring
- > Measures Hand-Arm AND Whole Body Vibration
- > Measures individual exposure in real time, and provides active alerts
- > Cloud-based data management plus advanced reporting & analysis
- > Simple to use – no recharging required
- > Supports the development of vibration management best-practice
- > Installation, on-site training and comprehensive after-sales support



ROBUST DEFENCE AGAINST HAVS COMPENSATION CLAIMS

Q2’s real-time measurement and cloud-based reporting promote strict legal compliance **AND SUPPLY THE DATA TO PROVE IT.**

Continuous monitoring provides total transparency of individual workers’ risk, and informs efforts to reduce exposure to ‘as low as reasonably practicable’.

Q2 warns operators and their supervisors BEFORE vibration exposure limits are reached – so if workers develop HAVS later in life, data archives can provide clear evidence of daily vibration dose while in your employ.

Don’t estimate workers’ vibration exposure – MEASURE IT!



MONITORING **WHOLE BODY VIBRATION**

The Control of Vibration at Work Regulations require employers to assess workers' exposure to Whole Body Vibration and to *"eliminate or reduce their daily exposure so far as is reasonably practicable"*.

But many of the most-commonly used personal vibration monitors do not track Whole Body Vibration - which can place employers in breach of regulations, and leave personnel exposed to an alarming array of serious health risks.

Adverse health effects associated with Whole Body Vibration

- > Cumulative brain injury
- > Spinal trauma
- > Cardiovascular conditions
- > Respiratory conditions
- > Digestive disorders
- > Damage to reproductive organs
- > Workplace fatigue

Q2 monitors exposure to Hand Arm AND Whole Body Vibration – helping employers to protect their staff and maintain regulatory compliance.

To learn more about monitoring Whole Body Vibration, contact the Curotec team today.



PRO-ACTIVE PREVENTIVE MAINTENANCE

Alert is a simple, cost-effective solution for monitoring power tool condition. It facilitates intelligent preventive maintenance and makes working life safer for everyone using your equipment.

POWER COMPLIANT

Alert continually monitors the vibration output of your tools and equipment – reducing the risk of work-related injuries. It is fully compliant with the Provision and Use of Work Equipment Regulations 1998 (PUWER).

EXPOSURE VALUE ACCURACY

All power tools deteriorate over time, causing vibration emissions to soar. **Alert** highlights increases in vibration emissions that could lead to potentially hazardous trigger times.

HEIGHTENED EFFICIENCY

By notifying you when an item of equipment requires maintenance or repair, **Alert** eliminates inefficient tool use and helps avoid unnecessary downtime and maintenance costs.

IMPROVED PRODUCTIVITY

Greater visibility of equipment degradation facilitates timely maintenance and optimal tool efficiency, plus a safer operating environment supports employee wellbeing.



Curotec are leaders in workplace vibration management. We are technology experts, innovators, health & safety evangelists, and our products are changing the way vibration is managed in the workplace.

Our next-generation technology empowers workers to measure their real-time exposure to Whole Body and Hand Arm Vibration with exceptional accuracy. And our analytical tools enable employers to take control of HAVS and WBV risk-management far more effectively than ever before.

We know that the personnel who use our equipment spend their time in physically challenging environments, so we build products to withstand seriously tough treatment. We also recognize that employers operate within a complex legislative framework, so all our kit complies with relevant regulatory requirements and international standards. Yet just as importantly, all our monitoring and measurement devices are beautifully simple to deploy.

Our people work very hard to develop state-of-the-art solutions that set new standards in vibration management - we're very proud of that. But our mission won't be complete until every at-risk worker across the globe enjoys the highest level of protection available. So we're reaching out to policymakers, regulatory bodies and employers around the globe - to raise awareness of the risks of Whole Body and Hand Arm Vibration, and to urge all stakeholders to minimize every worker's exposure, every day.



Come along to one of our **REGIONAL ROAD SHOWS** and see the Q2 in action.



Email roadshow@curotec.uk.com to reserve your place.

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