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SVANTEK LAUNCHES WORLD'S FIRST PERSONAL HAND-ARM VIBRATION EXPOSURE METER

Unobtrusive SV103 instrument easily attaches to operator's arm for more accurate measurements

Further reinforcing its position at the forefront of high performance noise and vibration monitoring instrumentation, Svantek (tel: 01296 682040; www.svantek.co.uk) has launched the world's first personal hand-arm vibration exposure meter. The compact and rugged SV103 easily attaches to the operator's arm whilst the lightweight MEMS accelerometer straps to the hand making it the only device to accurately measure the vibration dose being received.

In addition, Svantek's new SV103 incorporates an additional contact force transducer that measures whether the tool is being gripped correctly. The lightweight, easy to use instrument meets ISO8041:2005 and is suitable for taking measurements in accordance with ISO5349 and European Directive 2002/44/EC.

Paul Rubens, Sales & Marketing Director at Svantek comments: "Many currently used assessment methods for hand-arm vibration are subject to a very high level of uncertainty. Typically vibration measurement accuracy can vary in the range of ± 20% to 40% which makes a big difference in relation to the risk of operators developing *white finger disease.

Paul adds: "As a result, our new SV103 is a real game changer. It significantly reduces measurement uncertainty as it is strapped to the operator's arm and is small enough to take daily vibration exposure measurements without interfering with normal working activities.

"We are confident that the SV103 will set a new benchmark in hand-arm vibration exposure monitoring," he concludes.

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Svantek's SV103 offers 1/1 or 1/3 octave real-time analysis and is powered using rechargeable batteries or through the USB 2.0 interface which enables easy interconnection between the instrument and a PC. The measurement data is safely stored in the large 8GB memory.

It operates in conjunction with Svantek's powerful 'Supervisor' software which allows instrument configuration as well as the viewing and exporting of measurement data and daily vibration exposure recalculations.

Additional features include colour OLED screen which displays information in both text and graphical form and offers excellent visibility even in full daylight. The triaxial MEMS accelerometer offers many advantages including shock resistance, very low power and frequency response down to DC.

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*White finger disease is where there are pathological changes in the nervous system of the hands and fingers caused by mechanical vibrations that are transmitted to the human hand when in contact with the surface of a vibrating machine such as an electric drill.

Note to editors:

Svantek is a world leading manufacturer of noise and vibration monitoring instrumentation. The Polish company was established in 1990 and boasts one of the best qualified and most innovative teams of design engineers in the market, with three PhD and 15 MSc qualified engineers.

It offers a wide range of high performance noise and vibration monitors that are second to none with both quality and technical excellence being core philosophies.

Svantek UK is an exciting joint venture between Svantek (Poland) and AcSoft (UK). Founded in 2011, it is already significantly increasing its share of the UK market.

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