

PRODUCT APPLICATION PRESS RELEASE

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For Immediate Release

COST-EFFECTIVE VIBRATION MEASUREMENT FOR SMALLER MACHINERY

Reducing energy consumption and eliminating downtime has never been more important than in today's energy cost-conscious and highly competitive industrial environment. Whether generating power, pumping essential fluids or driving process equipment, it's vital to monitor machinery dynamic behaviour and protect processes from disruption and the expense of unscheduled downtime.

Today's sophisticated vibration condition monitoring systems are designed to provide comprehensive and efficient feedback combined with optimum flexibility. However, the cost of these systems can be difficult to justify for monitoring smaller rotating plant and equipment such as pumps, motors, fans, centrifuges, turbines, or any item of small to medium machinery. **SENSONICS** offer the ideal solution with their **DN26 G3 machine protection monitor** a highly effective stand-alone monitor which complements their successful range of rack-mounted products.

The dual channel din rail mountable DN26G3 unit provides monitoring of bearing vibration, shaft vibration, or shaft position with fully programmable signal conditioning and includes a range of measurement algorithms and sensor options. The unit is designed for optimum flexibility; as a universal module (single hardware platform) and is field upgradable and fully programmable.

Special protection options include slow rotation vibration monitoring down to 0.2Hz and narrow band filter measurements for specific vibration signatures. In addition the unit offers a dedicated speed monitor channel which can also be utilised as a phase reference for further harmonic analysis of the vibration signals. The sensor interface is programmable to accept IEPE type accelerometers / velometers, proximity probes (API 670 standard), and active / passive speed probes.

All sensor signals are available via a buffered interface which provides the option of further detailed analysis if required. Three alarm relays are available as standard (expandable to up to seven relays via a digital interface), one dedicated to indicate module and sensor integrity. The other two relays are fully programmable across the alarm criteria selected and all three input channels measured values are available via a 4-20mA interface.

The unit is available with Ethernet communications as standard, permitting configuration either locally or remotely through the in-built webserver and offering Modbus over TCP/IP for connecting measured data to other plant wide systems. The DN26-G3 features a built-in intuitive colour LCD display and menu drive facility providing various display modes and an alarm historian with real time logging capability. ENDS

More at: <https://www.sensonics.co.uk/wp-content/uploads/2019/04/AB14-760R1.pdf>

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