

PRODUCT APPLICATION PRESS RELEASE

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For Immediate Release

SENTRY G3 - TAKING MACHINERY PROTECTION TO THE NEXT LEVEL

The ability for plant engineers to rapidly identify abnormal conditions and better manage the dynamic behaviour of their rotating plant with proven, flexible and easy-to-install monitoring systems has never been more important. With this in mind **machine monitoring specialists SENSONICS** has continually developed and refined its successful **Sentry G3 machinery protection system** which provides outstanding protection combined with flexibility of hardware in a single, easy-to-use module type for all sensors.

Advanced features include; Vibration, position and speed parameter trending facilities, including log and view of up to 60 days of data, 'look back' at trends and alarms, plus download data for further analysis in Excel. It is also now possible to directly view proximity probe gap and vibration transducer bias voltages, to verify correct transducer operation and calibration.

The Sentry G3 single module concept minimises the need for spares holdings helping to reduce ongoing maintenance costs. Furthermore, it also lowers the risk in retrofitting applications where the need to interface monitoring systems quickly and correctly with previously installed sensors is key. The system is fully software programmable and upgradable which ensures adaptability moving forward as inevitably application requirements change. It's also easy to expand, simply by adding additional G3 monitors.

The system offers excellent channel density with up to 24 measurement channels housed in a compact 3U x 19" rack mounted format which can halve the space needed on existing installations. Multiple outputs are available on the back of the rack for up to 3 alarm levels and 2 analogue outputs per channel. Dual redundant Modbus communications to a module level provide a robust communication system, while the in-built LCD display offers readings, sensor

integrity voltages, trending and FFT, all important features which confirm the accuracy of the installation.

The system is compliant to API 670 and therefore meets the most stringent protection requirements as well as meeting IEC 61508 up to SIL-3 standards.

In summary, Sentry G3 today provides state-of-the-art, flexible, easy-to-install and maintain space-saving protection for the following modes: **Measurement** - Absolute bearing and relative shaft vibration, displacement and thrust position, speed, phase and reverse rotation, differential and casing expansion, rod drop and temperature.

Turbine Specialist Measurement - Shaft eccentricity, order tracking, dynamic pressure and mark - space differential expansion.

The additional features incorporated into the latest Sentry G3 system ensures more than just machine protection, providing a set of tools to assist plant engineers to optimise the control and management of their rotating plant now and into the future. ENDS

Further details are available from: Russell King, Sensonics Ltd, Berkhamsted, Hertfordshire UK. Tel: +44 (0) 1442 876833.

Email: sales@sensonics.co.uk www.sensonics.co.uk
