**Press enquiries to:** Sharon Lindsay. **Tel:** 07928 809035

**Email**: sharon@sharonlindsaypr.co.uk

**SICK's MPB10 Sensor Bolts-on for Continuous Condition Monitoring**

SICK has announced the launch of its MPB10 Multi-Physics Box condition monitoring sensor, a pioneering and rugged bolt-on device designed to deliver real-time, continuous service data from industrial machines, including electric motors, pumps, fans and conveyor systems, even in the harshest industry environments.

SICK's first dedicated condition monitoring sensor, the MPB10 is an all-in-one device designed to make it easy to monitor and interpret vibration, shock and temperature measurement data delivered right from the heart of machines. The MPB10 provides service data to enable more cost-efficient predictive maintenance practices that can improve plant availability, maximise operating life, and protect product and process quality.

**Detecting Signs of Failure**

The SICK MPB10 measures vibration, shocks and temperature that can be the tell-tale signs of approaching machine failure. Users are provided with pre-processed, concise and easy to interpret information that can be customised for the machine and process.

A stand-alone SICK MPB10 can transmit data over IO-Link to a machine control or output a simple alarm-based switching signal. With wide-ranging measurement parameters, the MPB10 can be set up according to the type of machine to alert, for example, when values exceed pre-configured thresholds.

**Dashboard Visualisation**

Users also have the option to visualise real-time and historic data from the SICK MPB10 on easy-to-interpret, customisable dashboards using the SICK Monitoring Box digital service. Via the Monitoring Box, operators can also receive notifications via email, or provide data for integration into cloud-based applications.

The SICK MPB10 detects vibrations (± 8 g) and shocks up to 200g in all 3 axes via the sensor's MEMS elements**.** Multi-stage alerts can be set up to monitor vibration thresholds according to the requirements of DIN ISO 10816-3 in rotating machines such as electric motors, fans, turbines and generators. The indicative vibration values in the time and frequency range are significantly easier to interpret than raw data, helping to detect, for example, insufficient lubrication, bearing damage or motor imbalances.

Protected by a rugged IP68 stainless-steel housing, the MPB10 delivers consistent contact temperature data between −40 °C and +80 °C, even in dusty or wet environments. Ideally fixed close to the bearings, the MPB10 can be mounted securely using a single M3 screw or fixed onto curved surfaces using the mounting plate supplied. Alternatively, it can be secured with epoxy glue or welded.

**Cost-Saving Benefits**

David Hannaby, SICK's Market Manager for Presence Detection, said: "The SICK MPB10 is a rugged little instrument with the potential to add huge value to industrial machines and processes. By bolting on an MPB10 to their machine, plant operators and managers can upgrade simply to predictive maintenance practices and identify problems early before any significant decrease in performance or failure.

"By avoiding damaging temperatures, shocks or vibrations, the availability of the machine can be increased, product and process quality can be protected, and operators have more potential to extend the life of their machines. Maintenance effort and costs are reduced because reactive interventions can be avoided, and time-consuming routine preventive inspections can become less frequent."

For more information, please contact Andrea Hornby on 01727 831121 or email andrea.hornby@sick.co.uk.

www.sick.co.uk

**-ends -**

**Press Enquiries to:**

Sharon Lindsay, Sharon Lindsay Communications. Email sharon@sharonlindsaypr.co.uk

Tel: 07928 809035;

**Issued on behalf of:** SICK (UK) LTD, Waldkirch House, 39 Hedley Road, St Albans, Hertfordshire, AL1 5BN.