



## MEASURING TORQUE WITHOUT SLIP RINGS

At Sensors & Instrumentation **Sensor Technology** will showcase wireless technology for measuring power in drive shafts and other rotating machine elements.

TorqSense Rotary Torque Sensors are unlike traditional slip ring transducers. They use a simple non-contact radio link for collecting real-time torque signals, enabling machine builders and control engineers to do away with expensive and temperamental slip rings. Thus, simply mounting the sensors and checking the radio connection is all that is required to set up a TorqSense.

Electronics convert the data stream directly into engineering outputs, such as torque, speed, power and angle. Serial and USB interfaces make TorqSense directly compatible with PCs and other user-friendly features include built-in peak torque sampling, storage and torque averaging, and a self-diagnostics test package. **Stand E13**

**Tel: 01869 238400**



## ONLY NATIONAL UK SENSORS SHOW WILL FOCUS ON INDUSTRY TRENDS

Now in its 7th year and firmly established as the UK's only national sensors event, **Sensors & Instrumentation** returns to Hall 3 at the NEC Birmingham on Wednesday 28th and Thursday 29th September.

New for 2016 is the Automation, Machine Building & IIoT Zone. This feature area will focus heavily on current industry trends and hot topics including, Industrial Internet of Things, Cyber-Physical Systems, Big

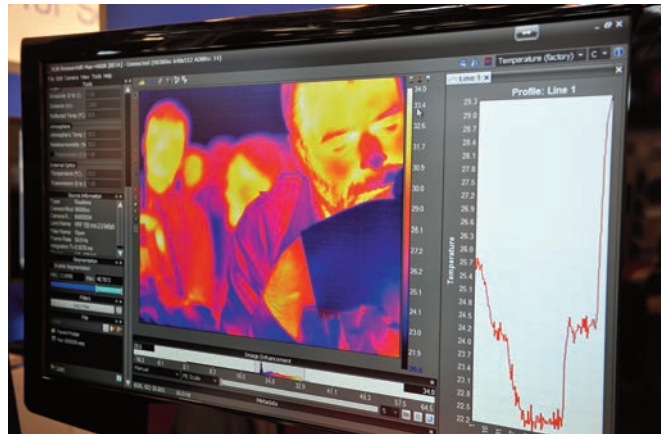
Data and Industry 4.0.

It will be a showcase for the latest automation technology and provide machine builders, system integrators and end-users alike with the information they need to better understand how these developments are likely to impact the future of manufacturing and, crucially, how they can realise the potential for increased productivity, efficiency and profitability.

The Innovation Showcase feature is returning for a second year; this special display area allows visitors to see the latest products and innovations and will once again be a focal point of the show.

Besides a great line-up of exhibitors showcasing all of the latest products and solutions is a lively and informative seminar programme.

**Tel: 01622 699129**



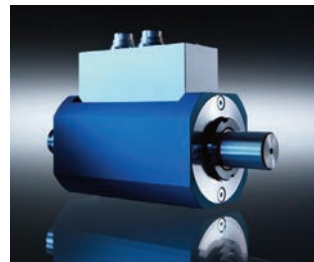
## NEW PRODUCT LAUNCHES

At Sensors & Instrumentation 2016 **Kistler Instruments** will launch several new products including the Dual Range Torque Sensor Type 4503B with built-in speed sensor and integral, digital measurement conditioning system with analogue and digital output signals. The standard range is 0.2-5000Nm with a second range of 1:10 or 1:5 of the rated range.

Further new products will include miniature ceramic shear accelerometers weighing less than 3.5gm with four measuring ranges from  $\pm 50$  to  $\pm 500g$ , each with a

choice of four mounting options; and a new measuring flange for the KiTorq torque measuring system available in seven measuring ranges from  $\pm 50$  to  $\pm 5000Nm$ . **Stand D5**

**Tel: 01256 741550**



## MEASUREMENT MICROPHONES

**GRAS Sound & Vibration** will be highlighting its wide range of cutting edge measurement microphones and related acoustic accessories, including pre-amplifiers and signal conditioning devices.

The company will be showing its newly launched KB5000/5001 right and left pinnae with anthropometric concha and ear canal for use with the 43BB low noise, highly sensitive ear simulator system designed to measure sound pressure levels close to or below the threshold of human hearing.

The compact flush mount turbulence screen microphone kit, specially designed to enhance noise measurement for the automotive and aerospace sectors, will also be on display. **Stand C3**

**Tel: 01296 681891**

## SENSOR CONNECTORS

**binder** will be showing a comprehensive range of connectors including its market leading M5, M8 and M12 sensor connectors at Sensors & Instrumentation 2016.

New products will include the M5 shielded and over-moulded sensor connectors that complement the existing unshielded range of M5

sensor connectors. Suitable for applications such as sensor technology, material handling and communications systems, they provide 360° shielding and offer an attenuation of 60dB at 1Ghz providing un-interrupted data transfer. They are available in three and four pole intermatable formats

and with standard lengths of two and five metre cable with 0.14mm<sup>2</sup> wires.

Also on show will be new M12 A- and B-coded crimp connectors designed to withstand high levels of vibration and shock loads and a range of M12 A-coded connectors designed specifically for the food and beverage, pharmaceutical and chemical industries. Completing the display will be M12 A-coded, over-moulded power connectors rated to 8A and 250V to meet the growing demand for increased current handling with M12 connectors. **Stand D1**

**Tel: 01442 257 339**



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