

## Developing technologies

New and developing technologies will be the theme on the **Sensor Technology** stand at Sensors & Instrumentation 2016.

The company will be showing extensions to its LoadSense range, an updated version of its ORT 230/240 TorqSense range and enhancements to its wireless strain gauge amplifier.

The new ORT sensors are designed for duties requiring low torque and/or high bandwidth, and provide precise, dynamic measurement of rotary and static torque from 10mNm to 100Nm and for bandwidths of up to 50kHz. Their signal processing electronics demonstrate improved resolution, frequency response and faster data handling, yet have reduced power consumption.

Complementing the ORT sensors, Sensor Technology is also introducing new strain wireless gauge amplifiers. **Stand A3.**  
**Tel: 01869 238400**



## Scalable solutions

APC Smartwave will be on hand at Sensors and Instrumentation 2016 to discuss its full range of products which includes sensors, computing solutions, wireless products, LED components, display products and solutions, energy harvesting and storage and cloud platform products.

The company offers a single-source supply capability providing customers with scalable solutions for projects of all sizes. This has made them a partner of choice for clients looking to develop major IoT-based initiatives, as well as for IoT technology manufacturers looking for an established, value-added distributor including IST, ESS, OPTEK, ALL SENSORS, ELT and Farsens. **Stand F17**  
**Tel: 01480 226600**



The next generation EDX-10B Compact Recording System is available now from **Sensors UK.**

Offering up to 16 channels across four measurement units, the EDX-10B is powerful and its compact configuration can be powered through a laptop via a USB connection giving true freedom of movement. When outdoors or

## Compact recording system

separated from a fixed power source, simply plug into your computer's USB port and start measuring.

Units weigh between 130 and 170g each and are small enough to fit in a bag or briefcase, making the entire system highly portable.

In three easy steps you can: Connect a strain gauge to the recorder with just one touch; connect the recorder to your computer with a USB cable, launch the control software and start recording. **Sensors & Instrumentation, Stand A4**  
**Tel: 01727 859373**

## Measurement microphones

GRAS Sound & Vibration will be highlighting its range of measurement microphones and related acoustic accessories at Sensors & Instrumentation 2016.

This will include the 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.

According to GRAS the KB5000/KB5001 right and left anthropometric pinnae offer better measurement at low frequencies, including Active Noise Cancellation below 1 kHz and is accurate every



time. Produced from soft silicone, the concha and canal of the pinna have been modified so that they closely mimic the properties of a human ear. **Stand C3**  
**Tel: 01234 639552**

## Comprehensive connector range

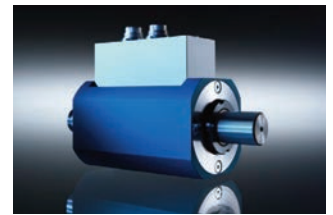


**Binder** will be showing a comprehensive range of connectors including its popular M5, M8 and M12 sensor connectors at Sensors & Instrumentation 2016.

Visitors will be able to see Binder's M5 shielded and over-moulded sensor connectors that complement

the existing unshielded M5 range. These new connectors provide 360° shielding and offer an attenuation of 60dB at 1Ghz providing uninterrupted data transfer.

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. Completing the display will be M12 A-coded, over-moulded power connectors rated to 8A and 250V. **Stand D1**  
**Tel: 01442 257 339**



## Lots of launches

**Kistler Instruments** is launching a number of new products at Sensors & Instrumentation 2016. These include the Dual Range Torque Sensor Type 4503B with built-in speed sensor and integral, digital measurement conditioning system with analog 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.

Kistler Instruments will also launch 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**

## Humidity probe

The new HygroSmart HS3 probe from **Michell Instruments** has been designed to withstand the kind of harsh and demanding conditions found in industrial processes. This instrument, and others in Michell's range, will be on show at Sensors and Instrumentation stand C8.

Unlike some 'disposable' probes that have a short life within harsh conditions before needing to be replaced, the HygroSmart HS3 sensor uses Michell's polymer moisture sensing tile to give long-term reliable measurements. In addition, it also has an accuracy of 0.8%RH, making it accurate and reliable while allowing for longer recalibration periods.

Michell Instruments says this not only gives peace of mind to process operators, but provides a low life-time cost of ownership when compared to the disposable probes. **Stand C8**  
**Tel: 01353 658 000**



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