



Stand: E26

HBM innovation at Sensors & Instrumentation exhibition 2015

HBM – a leader in the field of test and measurement – will be exhibiting its powerful new solution for eDrive testing, a robust, integrated system for measuring the performance and efficiency of electric motors and inverters. The eDrive testing solution combines HBM's T12 or T40 Torque Sensor, the most accurate torque transducers in each respective class; the GEN3i Data Acquisition System; and, as an option, the QuantumX 1609B Temperature Satellite, to provide synchronous, dynamic and continuous acquisition of mechanical and electrical signals from an electric drive system. HBM will also be exhibiting its new FIT7A digital Load Cell. Specifically designed to meet the needs of demanding requirements of weighing in modern manufacturing lines, the FIT7A is suitable for use in a wide range of production environments which require dynamic weighing, sorting, filling and dosing.

HBM United Kingdom Ltd

► 0208 515 6000 ► www.hbm.com enter 800

Chemical engineers talk sense about mixer efficiencies

Manchester University's School of Chemical Engineering and Analytical Sciences is leading world class developments in energy efficiency in the process industries. Researchers have incorporated TorqSense transducers into a test rig that is analysing losses in in-line mixers. Efficient production is fundamentally important to success in the process industries, many of which serve global markets. While there are multiple elements of cost in the production processes, optimising energy consumption is seen as essential because improvements will repay dividends over many years. The energy consumption involved in in-tank mixing processes is well researched and understood. But with in-line rotor-stator mixers the flow is often controlled independently of the rotor speed and collecting sufficient data to accurately model the process has to date required a large number of experiments.



Sensor Technology Ltd

► 01869 238400

► www.sensors.co.uk

enter 801

Flexible relative humidity instruments for industrial users need just 30 seconds for maintenance



Michell Instruments has released its latest range of relative humidity transmitters for industrial applications. As well as being flexible for use in a wide range of processes, the HygroSmart 280 & 290 series includes an interchangeable sensor that allows routine maintenance to be made in just 30 seconds for most models. At the heart of each instrument is the new HygroSmart 17000XP. This sensor is fully replaceable, and, because all the calibration data is incorporated, makes routine maintenance and recalibration as easy as changing a light bulb. The 17000XP uses Michell's latest polymer capacitive sensing technology, the H8000 tile to provide reliable accuracy of 1% RH. The HygroSmart 280 & 290 series features a number of configurations, designed to suit different applications.

Michell Instruments

► 01353 658031

► www.michell.com/uk

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TECHNOLOGY IN ACTION ADVERTORIAL

IP65 & IP67 Data Loggers for Temperature, Voltage & Strain



KRYPTON data loggers from DEWESoft provide the ultimate environmental specification for harsh operating conditions. KRYPTON loggers operate from minus 40°C up to +85°C with a shock & vibration specification exceeding 100g. KRYPTON loggers are connected via EtherCAT over distances up to 100m and can be Daisy-chained with full synchronization. With this high level of environmental specification KRYPTON loggers can be situated very close to the measurement sensor, which increases accuracy, avoids connection errors and reduces cabling costs.

See us at the Sensors and Instrumentation show stand F26

Dewesoft UK Ltd

► 01367 871000

► www.dewesoft.com

enter 803

Bajolock couplers protect workers operating systems under pressure

To prevent accidents when opening couplings under pressure, Smith Flow Control has introduced Bajolock patented couplers to its product portfolio. Bajolock couplers are ideal for use in a wide range of industries where it is common for pipes and systems to be under pressure when couplings are opened. It is often hard to determine the residual pressure in the system, and using conventional coupling can be dangerous. With Bajolock, pressure is caught and automatically equalised; any potential harmful residue material is discharged away from the operator. Bajolock can then be uncoupled easily and safely with a simple twist. It is interchangeable with existing, similar couplers, enabling seamless integration in plant processes. Smith Flow Control's Bajolock coupler is designed for use in transfer systems for pressures up to 10 bar (145 psi).



Smith Flow Control

► 01376 571 901

► www.smithflowcontrol.com

enter 804

Tricor Coriolis hydrogen fuelling flow meters available



Developing clean fuel and hydrogen-fuelled hybrid vehicles are becoming an increasing priority for western economies. As hybrid vehicles become more main stream the need to provide hydrogen fuelling stations has arisen.

Hydrogen fuelling stations and the concept of the Hydrogen Highway are relatively new ideas. Germany currently has 16 such stations in operation across the whole of the country. A further 20 stations are scheduled to be built in the country over the coming years. The first hydrogen fuel station opened in the UK in 2011 and the government has provided funding to deliver 15 stations by the end of this year.

Litre Meter

► 01296 670200

► www.litre-meter.com

enter 805