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Inert Gas Blanketing

Do you use inert gas blanketing within your manufacturing process?
Inert gas blanketing is a process used to protect volatile, combustible or perishable products from undesirable reactions such as oxidation or explosion.
The Rapidox 1100 and Rapidox 2100 zirconia oxygen gas analysers can measure oxygen content at the lowest level in parts per million, ensuring that the inert environment is as pure as possible.

There are many benefits in inert gas blanketing such as:

- risk of oxidisation Assists in chemical storage
- Protects perishable products
- Enhances safety
- Reduces contamination
- Maintains inert environment
- Used in many applications

If you would like further information on Rapidox gas analysers or advice using gas analysis within your process,

Cambridge Sensotec
▶ 01480 462142
▶ www.cambridge-sensotec.co.uk

Optical rotary torque sensors suitable for low torque and high band width measurements

Sensor Technology has set new benchmark performance standards for optical rotary torque transducers, with the launch of the digital ORT 230/240 series. These new optical rotary torque sensors are ideal for applications when the demand is for low torque and/or high bandwidth, providing precise, dynamic measurement of rotary and static torque of less than 100Nm and for bandwidths of up to 50kHz. The new ORT 230/240 devices replace Sensor Technology's E200 ORT series, benefiting from all-new electronics that deliver significant gains in resolution, frequency response, reduced sensor current consumption and faster digital data throughput. The high speed capability comes from an inherently low inertia, since the electronics are not fixed to the shaft, while non-contact operation ensures a long and reliable life (backed up by Sensor Technology's lifetime warranty) with high accuracy. The optical operating principle also ensures excellent noise immunity.

Sensor Technology ▶ 01869 238400 ▶ www.sensors.co.uk

Evatron Protective Boots

Rugged and highly visible when you need strong, robust protection for your enclosure. Available in blue, orange and red, these protective boots come in 2 styles and 8 sizes making them a perfect fit for many of our handheld enclosures.

Held secure in the boot - essential when you need extra protection - the enclosure is easy to remove. Compatible enclosures are available in various sizes, with or without battery compartment, recessed or flush top, and some with removable end panels plus optional sealing gasket to achieve IP65 rating.

Enclosures can be modified to your exact requirements with CNC machining, screen printing and EMI/RFI shielding. Cut outs for the protective boot may also be made to your exact specifications. Contact sales@evatron.com for more information or click the 'online chat' icon on our website.

Evatron ▶ 01908 325100 ▶ www.evatron.com

ESAB ANNOUNCES DATES FOR 2018 CITY AND GUILDS ACCREDITED GAS INSPECTORS TRAINING COURSES

ESAB has published its schedule of Gas Inspectors Training Courses for 2018. These will be held at ESAB's facilities in Waltham Cross and Chorley, and there are courses for both certification and re-certification. Following satisfactory completion of the course examination, successful candidates are presented with a City & Guilds Certificate, indicating that they are qualified to conduct full safety checks on individual oxy-fuel gas welding systems. ESAB's courses are the only ones in the UK at which attendees can gain an internationally recognised City & Guilds qualification.

Certification courses run over two days, with classroom sessions, participative exercises and hands-on training. Not only does the course cover the safety of the oxy-fuel welding equipment, but it also provides instruction on relevant health and safety legislation and risk assessments of welding stations. One-day re-certification courses are available for inspectors who already have C&G certification.

ESAB Group (UK) Ltd ▶ 0800 389 3152 ▶ www.esab.co.uk

Kistler launch a highly dynamic pressure sensor with 500 kHz natural frequency

If you need to measure high pressure in hydraulic and pneumatics systems or highly dynamic pressure measurements in shock tubes or blast tests, Kistler Instruments has the answer. The new 1,000 bar, miniature Type 603C piezoelectric (PE) pressure sensor has a very high natural frequency of 500 kHz which makes it suited to a wide range of applications where highly dynamic pressure transients need to be measured. A unique characteristic of the 603C PE sensor is its ability to measure small pressure fluctuations, superimposed on a high static pressure, with exceptional resolution. The integrated acceleration compensation ensures reliable measurements even under highly vibrating conditions. Add long life reliability and calibration at 10% and 100% of FSO making the sensor easily matched to changing needs resulting in exceptionally low cost of ownership. With linearity typically better than ±0.4% FSO and operating temperature from -196°C to +200°C, the new sensor is big in performance but small in size.

Kistler Instruments Limited ▶ 01256 741550 ▶ www.kistler.com

Cirrus Research launch new calibration offering in the UK

The UK-based calibration service enables existing clients to ensure their equipment meets all UK and ISO standards required by Noise at Work legislation, as well as environmental noise guidelines. But, for the first time, the team can now offer the same high-quality service to noise measurement instruments from other manufacturers.

"Thanks to technology upgrades in-house we can now guarantee the same high level of service that we give on our own equipment," said Cirrus Marketing Manager James Tingay, "We are confident the extension to the range of equipment we can now look at will be extremely popular and received our first non-Cirrus equipment to calibrate within days of announcing the news."

Cirrus is also offering as 10% discount on any first calibration order for non-Cirrus equipment.

Cirrus
▶ 01723 891655
▶ www.cirrusresearch.co.uk