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Certified for Use in Hazardous Areas

Monitran introduces ATEX and IECEx Group II certified intrinsically safe dual output sensors for vibration and temperature monitoring

High Wycombe, United Kingdom – Monitran, an industry leader in the development and manufacture of transducers, has launched two series of intrinsically safe sensors. Certified to ATEX and IECEx Group II, the MTN/2285IT and MTN/2200IT series are sealed to IP67, are available with integral cables or 4-pin connectors and are ideal for measuring vibration levels and temperatures in areas where explosive gases, liquids or dust may be present.

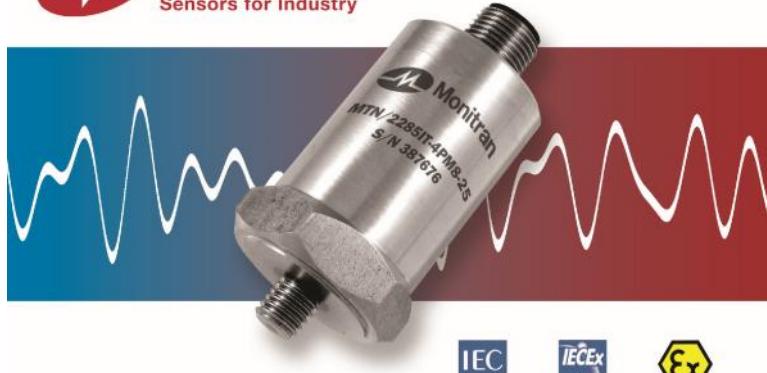
Intended for monitoring applications, the MTN/2285IT series comprises sensors with DC current outputs, in the range 4-20mA, proportional to RMS velocity (mm/s) and temperature as a voltage at a sensitivity of 10mV/°C. In addition, the operating temperature is certified to T6 (-55°C ≤ Ta ≤ +45°C).

The MTN/2200IT series is aimed more at analysis applications and features constant current accelerometers with isolated outputs for acceleration, in volts at a standard sensitivity of 100mV/g, and temperature at a sensitivity of 10mV/°C. The operating temperature for this series is certified to T4 (-55°C ≤ Ta ≤ +95°C).

Andy Anthony, Managing Director of Monitran, comments: “The monitoring of both vibration and temperature levels is at the heart of many predictive maintenance strategies. Adding a temperature measuring capability to our existing range of ATEX-certified sensors is a goal we’ve had for some time as, for instance, we understand most engineers view temperature as the foundation for bearing monitoring. Having put our robust dual-output sensors through the rigorous ATEX and IECEx certification processes, we’re able to provide our customers with a variety of products to meet their monitoring requirements in hazardous areas.”

MTN/2200IT and MTN/2285IT datasheets are available for download from www.monitran.com.

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Monitran launches its MTN/2200IT and MTN/2285IT series of ATEX and IECEx certified dual output sensors for vibration and temperature monitoring.

Notes to Editors

This press release was issued on behalf of Monitran by Declaration Limited. If you have any editorial enquiries in relation to this press release please contact Richard Warrilow on +44 (0)1522 789000 or via email (richard@declaration.co.uk). Please also contact Declaration if you require any articles, case-studies, comments or any other forms of editorial copy.

Please contact Katherine Alger, Marketing & Communications Officer of Monitran, on +44 (0)1494 816569 or via email (katherine.alger@monitran.com) in relation to all advertising and sponsorship matters.

About Monitran

Established in 1986 and based near High Wycombe in the UK, Monitran is a world leader in the development and manufacture of sensors and systems for vibration and displacement measurement. The company has the widest range of standard vibration and displacement products available from any single supplier and has an impressive track record of customising products for bespoke applications.

With full ISO 9001:2008 approval, Monitran's products are used for monitoring vibrations in machinery such as pumps, motors, engines and drive trains as well as in a diverse range of applications including automotive, aerospace, industrial processing, power stations and wind turbines. Indeed, the products are at home in any application where vibrations or displacements provide early indications of mechanical wear or that a structure's integrity has been compromised. They are also used in other vibration related applications, such as R&D, structural testing, equipment qualification testing and calibration. For more information please visit www.monitran.com