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Meggitt Sensing Systems releases Wilcoxon Research side exit accelerometer with built in temperature sensor

Germantown, MD — Meggitt, a leading supplier of quality vibration sensors and sensor networks, introduces a new side exit, low profile, dual output accelerometer with a built-in temperature sensor. The 787T is the side exit version of Wilcoxon Research's extremely popular 786T top exit, combined output, temperature and vibration general purpose sensor.

The side exit 787T has the capability of monitoring in low clearance areas and can accommodate cable runs from any angle with the inclusion of a 1/4-28 or M6 captive screw. Designed with a standard 3-pin MIL-C-5015 connector, the 787T is compatible with cabling infrastructure found in most industrial locations. When used with vibration based field data collectors, the data collector powers both the vibration and temperature sensors simultaneously.

Characteristic of Wilcoxon Research brand sensors, the 787T is suited to the harshest industrial environments. The accelerometer follows the rugged, hermetically sealed, ESD protected and EMI/RFI shielded format that has made Wilcoxon Research sensors the standard in many plants worldwide. Combining the accelerometer with the IP 68 rated R6GQ Viton® boot 3 socket connector and J9T3A Teflon® cable results in equipment that can be used in wet and dry environments and protected from a wide range of chemicals.

The 787T full performance accelerometer is ideal for route based or permanent mount applications, hosting a general purpose 100 mV/g vibration sensor with strict $\pm 5\%$ sensitivity tolerance and broad 3 dB frequency response from 0.5 Hz to 12 kHz. The temperature sensor provides a clean 10 mV/°C signal for tracking sensor mounting location temperatures from 2 to 120° C.

Similar to other vibration sensors in Wilcoxon Research's extensive line of general purpose accelerometers, the 787T is appropriate for monitoring most industrial rotating equipment including fans, blowers, pumps, compressors, chillers, gearboxes, mixers and motors. The inclusion of a temperature probe in the vibration sensor housing enhances a user's ability to detect abnormal equipment component wear, resulting in reduced failure rates. The addition of the 787T expands the Wilcoxon 787 product line, which includes accelerometers featuring dual output, 5 and 10% sensitivity tolerance, integral cable compatibility, and MIL-C-5015 or M12 connection offerings. Sensors within the 787 family also hold Class I Div 1 (Zone 0/1) and Class I Div 2 (Zone 2) certification. Continuous vibration monitoring is easily implemented with the full range of Wilcoxon Research accelerometers.

To learn more about Wilcoxon Research, Inc., or the pledge of Total Lower Cost of Ownership, visit www.wilcoxon.com, call 800-WILCOXON, or email wilcoxon@meggitt.com.

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Meggitt Sensing Systems, a division of Meggitt PLC, is a leading supplier of high-performance sensing and monitoring systems for physical parameter measurements in extreme environments. It has operated since 1927 through its antecedents—ECET, Endevco, Ferroperm Piezoceramics, Lodge Ignition, Sensorex, Vibro-Meter and Wilcoxon Research — whose portfolios form the basis of product lines offered by today's Meggitt Sensing Systems. Meggitt Sensing Systems designs and manufactures the Wilcoxon Research product line of vibration sensors at its facility in Germantown, Maryland, USA. www.wilcoxon.com

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