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TECAT Now Shipping WISER 8000 Wireless Strain Measuring and Monitoring System

ANN ARBOR, Mich. — Oct. 23, 2018 — [TECAT Performance Systems](#) announced today that it is now shipping its new WISER Model 8000. This dual-channel, wireless, strain measuring and monitoring system is capable of measuring two external channels at data rates up to 8kHz. This small, lightweight, power-efficient, and non-invasive design enables strain measurements in a wide range of applications. With two strain sensors, bending and axial strains can be resolved separately and simultaneously, for advanced diagnostics. The Model 8000 has long-range data transmission of >1,000 meters with up to +/- 0.025% FSR sensitivity for remote measurements. After initial set-up, using the WISER software interface, the system can be wired directly to a DAQ system for seamless data collection.

“The WISER 8000 offers a number of new features that make it high speed, high accuracy, more flexible, and a reliable instrument-grade tool for a wide range of applications — whether it’s monitoring strain in automotive or agricultural shafts, or measuring in-flight torque and propeller thrust data on aircraft,” said Don Keating, vice president of business development at TECAT Performance Systems. “The system has been generating a lot of buzz over the last few months and we couldn’t be more excited to say that it is now available to our customers. The additional channels and expanded capabilities of the WISER 8000 open up new applications, beyond those already serviced by our proven WISER products.”

TECAT’s WISER systems are the smallest, lightest, and most power-efficient solutions available for the measurement of torque, acceleration, pressure, temperature, distance, and magnetization. The WISER 8000 is comprised of three subsystems. The remote unit consists of the data capture electronics connected to [Micro-Measurements](#) strain gauges, a transceiver, and a long-life battery. The base unit plugs directly into a PC USB port and houses an antenna, transceiver, and up to

More...

eight analog outputs. The WISER Data Viewer software is used for system configuration and calibration, live monitoring, and data logging.

In addition to measuring strain, the WISER 8000 has the optional ability to measure 3-axis acceleration, barometric pressure, and ambient temperature, all within a small footprint. On-board data logging, with triggering capability, allows high-resolution data to be collected on the remote unit without PC or DAQ connectivity. Remote flash enables firmware upgrades without removal of the system from the unit under test. Data rates as low as 0.125Hz and as high as 8kHz are paired with extremely low power consumption, to ensure optimal balance of data rate versus battery life, for both high performance and long-term testing.

For more information on the WISER 8000 wireless torque measuring and monitoring system, please visit <http://tecatperformance.com>

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About TECAT Performance Systems

TECAT Performance Systems was founded in 2010 by Dr. Douglas Baker, CTO and inventor of its torque telemetry system. The company designs and manufactures the smallest, lightest, most power-efficient wireless sensors available. These features enable the measurement of torque, acceleration, and atmospheric data in places never before accessed. The company is headquartered in Ann Arbor, Michigan. More information on TECAT Performance Systems is available at <http://tecatperformance.com/>.