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TECAT Now Shipping WISER 4000 Wireless Torque Measuring and Monitoring System

ANN ARBOR, Mich. — Sept. 7, 2016 — TECAT Performance Systems today announced that it is now shipping its new WISER 4000 wireless torque measuring and monitoring system for automotive, industrial, energy, and aviation applications. Featuring shunt calibration, TECAT's latest WISER system is designed to simplify instrumentation verification for users while allowing them to check calibration of the system in the field. The WISER 4000 has been enhanced with two additional programmable analog outputs and higher-speed recording, and it is available with custom-built remote enclosures to protect the system's remote unit and battery from damage due to debris.

"The WISER 4000 offers a number of features that make it a faster, more flexible, and reliable tool for a wide range of applications, whether it's monitoring strain in automotive flex plates, measuring in-flight torque and horsepower data on experimental aircraft, or being used as input conditioning for analog sensors," said Don Keating, vice president of business development at TECAT Performance Systems. "From Automotive Testing Expo Europe in Germany to EAA AirVenture Oshkosh in Wisconsin, the system has been generating a lot of buzz at key events over the past few months, and we couldn't be more excited to say that it is now available to our customers. Furthermore, older systems in the field can be upgraded to include most of the WISER 4000's advanced features. More information on our upgrade program will be available soon."

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 4000 comprises three subsystems. The remote unit consists of the data capture electronics connected to Micro-Measurements strain gages, 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 four

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analog outputs. The output is wirelessly transmitted between the remote and base unit via 2.45 GHz radio frequency (RF) signals at distances up to 100 feet in line of sight. The WISER Data Viewer software is used for system configuration and calibration, live monitoring, and data logging. The WISER 4000 enables positive and negative shunt calibration with two independent shunt calibration legs using 100 kΩ resistors.

In addition to measuring torque, the WISER 4000 has the optional ability to measure 3-axis acceleration, barometric pressure, and ambient temperature, all within a small footprint measuring 36 mm x 23 mm x 4 mm. On-board data logging with triggering capability allows high-resolution data to be collected on the remote unit without PC or DAQ connectivity, while remote flash enables firmware upgrades without removal of the system from the unit under test.

More information on the WISER 4000 wireless torque measuring and monitoring system is available at http://tecatperformance.com/wiser-data/.

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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/.

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