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TECAT to Debut Next-Generation Wireless Motion Sensor System at Automotive Testing Expo Europe 2016

ANN ARBOR, Mich. — May 24, 2016 — [TECAT Performance Systems](#) today announced that the next generation of its WISER wireless motion sensor system will be making its debut at Automotive Testing Expo Europe 2016, being held May 31-June 2 in Stuttgart, Germany. Featuring shunt calibration, the latest WISER system is designed to simplify instrumentation verification for users, while allowing them to check calibration of the system in the field. In addition, the new WISER system has been enhanced with two additional programmable analog outputs, a higher-speed GUI, and a sturdier enclosure. In booth 1176 in Hall 1 at Messe Stuttgart, TECAT will provide live demonstrations of the new system monitoring strain in flex plates, measuring torque in half shafts, and measuring temperature and vibration to predict failure in U-joints.

“Automotive Testing Expo Europe is an important event for us as we continue to expand our market presence in Europe, and we’re looking forward to creating an impact with the latest features of our WISER platform,” said Don Keating, vice president, new business development, at TECAT Performance Systems. “With our next-generation system, we’ve responded to the need for cost-effective indirect calibration, while delivering a faster, more flexible and reliable tool for automotive diagnostics. Visitors to our booth will see how WISER is the ideal test and measurement solution for smart driveline requirements and end-of-line production.”

TECAT’s WISER systems are the smallest, lightest, and most power-efficient solutions available for the measurement of torque, acceleration, pressure, and temperature. Each WISER system is comprised of 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

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unit plugs directly into a PC USB port and houses an antenna, transceiver, and up to four analog outputs. The WISER Data Viewer software is used for system configuration and calibration, live monitoring, and data logging. The WISER system enables positive and negative shunt calibration with two independent shunt calibration legs using 100 kΩ resistors.

In addition to measuring torque, the WISER system 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 high-speed 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 removing the system from the unit under test.

TECAT is taking orders for the next-generation WISER system now and will begin shipping product in Q3 2016.

Now in its 18th year, Automotive Testing Expo Europe is the leading event dedicated to the quality, safety, reliability, and durability of vehicles throughout Europe. More information on the expo is available at <http://www.testing-expo.com/europe/english/>.

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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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