**Precise testing in any weather –   
CAEMAX introduces new wheel torque transducer *WTT-Dx***



**Munich, 10 May 2016 – The telemetry and sensor specialists at CAEMAX Technology have expanded their product portfolio in the area of wheel force transducers. At the SENSOR + TEST 2016 trade show in Nurnberg, Germany, CAEMAX is presenting a wheel torque transducer that is designed for increased environmental requirements in winter testing. Even in the cold, snow and ice, the *WTT-Dx*** **wheel torque transducer can acquire the distribution of drive and braking torques to the wheels with exceptionally high precision.**

**Precise even at high wheel loads**

The newly developed wheel force transducer combines two core competencies from CAEMAX – high-precision torque measuring at the wheel and interference-free telemetric transmission of test data. The design of the sensor enclosure was optimized in order to increase the signal quality. Even during dynamic driving maneuvers that cause excessive heating of the sensor, the*WTT-Dx* delivers measurement data with the highest precision. To meet the ever-increasing weights of the automotive industry’s larger vehicles, the mechanical stability of the sensor enclosure was designed to last for multiple vehicle lifetimes on heavy SUVs.

**Testing in any weather**

To enable testing in snow, ice and condensation, the sensor enclosure, power supply and electronics were integrated into a waterproof housing (IP67). The special built-in batteries within the sensor enable testing in a temperature range from -30° to +60° C.

**Always in step with the Dx telemetry**

The Dx telemetry that is integrated within the wheels also comes from CAEMAX. The measurement data from all four wheel force transducers are wirelessly transmitted to a Dx receiver antenna mounted on the side mirror – interference-free and with high resolution thanks to digital technology.

The four Dx transmitters that are integrated in the wheels are centrally controlled and clocked by the receiver unit located in the vehicle. The high degree of simultaneous sampling from all four wheels makes it possible to acquire and validate fast control processes between the different wheels with high temporal precision. Measurement data are output at the Dx receiver unit via CAN or analog and are therefore easy to integrate into existing measurement systems.

**Quickly ready for testing**

A flexible adapter system enables rapid installation on almost every type of vehicle: rim and hub adapters can be freely combined to cover different wheel sizes and offsets. The wheel bolts are readily accessible for quick changing of the sensor enclosure.

Additional information:  
<http://www.caemax.>de

**About CAEMAX (manufacturer)**

CAEMAX Technology, based in Munich, Germany, is a competent supplier of technologically leading measurement systems, solutions and services for R&D and test departments in the automotive and mechanical engineering industries worldwide. The scope of products and services basically contains self-developed sensors and measurement systems – currently, amongst others, in the sectors telemetry and automotive sensors. Highest quality of products and services and a reliable, comprehensive solution to the specific measuring tasks of our customers are our particular objectives. This also includes software and customized engineering services.