**Some like it hot –   
CAEMAX presents high-temperature telemetry up to +125°C**





**The telemetry and sensor specialists at CAEMAX Technology are extending their proven Dx telemetry systems to include a high-temperature version. At the SENSOR + TEST 2016 trade show in Nurnberg, Germany, CAEMAX is presenting the *Dx-HT* telemetry for use in ambient temperatures from -40° to +125° C. This new system is ideal for engine compartment installations, testing in climate chambers or temperature-critical applications in the mechanical engineering or energy sectors.**

**Precise measurements up to +125°C ambient temperature**

“Serving a wide range of applications was already an important developmental objective with our standard Dx system. With its innovative building block concept, our telemetry systems covered a large variety of application areas. Now with the development of the *Dx-HT* transmitter module, even more fields of application are open as well.”, says Henning Pöschl, CEO of CAEMAX.

**Universal transmitter units**

Instead of developing a large number of specialty modules, CAEMAX takes the transparent approach with “one size fits all”: the same universal transmitter unit can be used for a variety of different sensors (strain gauge, thermocouple, accelerometer) and channel counts. A single transmitter unit can acquire, digitize and transmit up to 6 channels.

**Always in step – even with multiple transmitters**

When one transmitter unit isn’t enough, simply add another: up to 4 separate transmitters can be operated per receiver unit. The receiver unit clocks each transmitter unit and outputs the measurement data as a synchronous data stream.

**High measurement accuracy, robust telemetry link**

Having a telemetry link that is as robust as possible is a precondition for acquiring reliable measurement data. For this reason, the *Dx-HT* telemetry digitizes the analog measurement signals as early as possible – directly in the transmitter unit. The measurement data are digitally transmitted interference-free with 16 bits. Two parallel antennas on the receiver unit additionally increase the reliability of the transmission.

**Tailor-made for harsh environments**

Additional challenging parameters for measurement systems can include high accelerations, mechanical stresses, water spray and having oil in the operating area. For these cases, CAEMAX integrated the *Dx-HT* transmitter unit into a custom housing. This not only protects the electronics and sensors from centrifugal forces, water and dirt, but it already integrates the secondary coil for the inductive power supply. Thus, setup times are greatly reduced.

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

**About CAEMAX (manufacturer and imc’s Partner)**

imc’s Partner, 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.