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New Ultra-small Six Degrees of Freedom Sensor from DTS Measures Three Axis of Acceleration and Three Axis of Angular Rate

- Ruggedized unit is designed for high-speed impact test and monitoring applications –

Seal Beach, CA (April 15, 2009) --- Diversified Technical Systems, Inc. (DTS), a leader in ruggedized data recorders for high performance testing and evaluation applications, announced introduction of a breakthrough sensor package, the DTS 6DX. The DTS 6DX is latest addition to its e-SENSING product line, and provides a sensor package that incorporates three linear accelerometers and three angular rate sensors in a single, compact package, just 28 mm square x 16.5 mm high, weighing a mere 26 grams. The new products will be on exhibit at the SAE 2009 World Congress, April 20-23, 2009 in Detroit, MI, at the DTS booth #1314.

The six channels of output from the 6DX provide the necessary data to calculate an acceleration vector and track its orientation in space with respect to time with appropriate post-processing calculations, and plot the kinematic motion of a test piece in 3D space. The ruggedized unit is designed for high-speed impact environments and has a 6000 g shock rating. Built-in 16-pin micro circular connectors make the unit highly durable and replacement of cables easy.

The internal linear accelerometers are full bridge piezo-resistive devices with a constant (DC) response, available in ranges from ±20g to 6,000g to meet the specific requirements of various applications. The internal angular rate sensors are available in ranges from ±300 to 50,000deg/sec and also have DC response. The sensor output can be recorded by any standard data acquisition system.

The DTS 6DX is ideal for test and monitoring needs of vehicles, such as crash impacts, rollover, suspension and ride and handling, as well as other high speed, harsh environment applications such as product testing of sports equipment, off-road and construction vehicles, motorcycles, marine, motorsports and aerospace. The DTS 6DX can also be used for human motion measurement, particularly in high-injury-risk occupations.

This new product can be combined with the e-SENSING SLICE MICRO™ or SLICE NANO™ data recorders to create a self-contained data acquisition system that enables testing in locations and conditions never before possible. For example, a 6DX+SLICE system with an internal battery could be mounted to a bicycle wheel (no slip-rings necessary) to provide a DAS solution so small that dynamic properties of the test piece are not impacted.

DTS is the world leader in the design and manufacture of high speed data recorders used in product testing for crash and injury assessment. The company is based in Seal Beach, California with sales and technical offices around the world.

Inquiries should be directed to Steve Moss, North American Business Manager, voice +1 248 224 1402 or email steve.moss@dtsweb.com. More information on this product, including a pdf datasheet with complete specifications is available on the company website, www.dtsweb.com.

About DTS

As a dedicated manufacturer of data acquisition systems, DTS has built a global reputation for delivering advanced, high quality products supported by the industry's

most respected and responsive engineering team.

DTS was founded by three automotive crash test veterans with the goal of supporting the data acquisition needs of testing professionals the world over. The company strives to provide customers with product solutions that enable maximum test accuracy, productivity and effectiveness.

Consistent dedication to and execution of the company's core expertise has made DTS the world's preferred supplier of data acquisition systems for the demanding test industry, with a roster of customers that includes many Fortune 500 industry leaders.

In 2007 DTS introduced the e-SENSING product line to meet the needs of emerging data logging applications. These highly sophisticated, configurable data recorders and sensors offer users the durability and high-speed product values of the legacy DTS products in extremely small and versatile packages.

Headquartered in Seal Beach, California, DTS has four regional offices in Michigan, Japan, Germany and Australia. More information is available at www.dtsweb.com.

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