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DTS Boosts SLICE Data Acquisition Systems Performance with Improved Temperature Recording Capabilities

Seal Beach, CA (Dec. 17, 2013) – DTS ([Diversified Technical Systems](#)), a leader in ruggedized [data acquisition systems](#) and [sensors](#) for crash, blast and safety testing, has made it easier than ever for its SLICE data acquisition system (DAS) customers to measure temperature along with other data they are used to collecting such as acceleration, force, pressure, and angular rates.



“Test engineers want to understand how different parameters interact and affect one another over time and temperature variations,” says Hans Hellsund, Director of Sales and Marketing for DTS. “SLICE’s new thermocouple connection capabilities make that possible.”

SLICE users now can collect thermocouple data with a simple plug-n-play [THA Thermocouple Adaptor](#). Using a standard miniature thermocouple connector and sensor ID, the adaptor makes it extremely simple and handy to connect Type K thermocouples to [SLICE NANO](#), [SLICE MICRO](#) and [SLICE PRO](#) data acquisition systems. Signals from all parameters being measured are stored in a single, easy to access SLICE data file.

SLICE systems continue to evolve into increasingly more powerful, more sophisticated and expandable systems for critical test applications with the focus on human injury assessment and safety for automotive, aerospace, military, biomechanics, in-dummy and blast testing. SLICE’s modular design enables users to create flexible, customized systems by stacking and chaining units together to achieve the exact feature set and channel combination desired. Low power and small size make all SLICE systems ideal for embedding into or on the test article. The latest SLICE product, SLICE PRO, is 10x faster and 35% smaller than any comparable data acquisition system and can record up to one million data points per section per channel.

“The miniature form factor THA Thermocouple Adaptor measures just 32.5 x 19 x 10 mm, making it extremely compatible with DTS SLICE systems that all have a very small footprint,” points out Hellsund. “With the THA Adaptor interface, DTS can now provide an ideal, ruggedized solution for customers seeking a quick and economical method of logging temperature data with SLICE hardware.”

About DTS

Founded in 1990 by three crash test engineers, DTS manufactures data recorders and sensors used for product safety testing and occupant injury analysis. DTS measurement solutions and technical expertise are relied on worldwide for critical testing in a variety of industries including automotive, aerospace, military and university research. A DTS helmet smart-sensor that records head forces in an effort to improve soldier safety and reduce traumatic brain injuries was named by the U.S. Army as one of “The Greatest Inventions.” *Inc.* Magazine has twice named DTS as one of the fastest-growing private U.S. companies.

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