



TECH NOTES FROM DTS THE LEADER IN DYNAMIC
DATA ACQUISITION SYSTEMS & SMART SENSORS

DataPoint

JUNE-JULY 2014

Durability, Life-Cycle and Biomechanics Testing Just Got Easier

CALIBRATION SERVICE TIPS

Ensure the integrity of your test data by servicing your DAS and sensors on a regular basis. Just like a car, proper maintenance can keep your equipment running smoothly.

Schedule service one of two ways:

1. Ship equipment to one of our **worldwide DTS Tech Centers**

OR

2. Have a trained DTS technician perform **on-site service** to minimize downtime and keep test schedules on track

DTS offers **ISO 17025** and factory calibration options. Plus, a custom **service contract** can be designed to meet individual needs and budgets - all under one PO.

For details see [Calibration Service Options](#) or contact sales@dtsweb.com

New DTS sensor lets you measure position and even RPM of virtually any moving part without affecting test dynamics

Now you can measure the durability of a lever or capture drive shaft speed in a manufacturing machine without the need for a slip-ring. Life-cycle testing of a car door with embedded DAS and a tiny sensor is now simple and portable.

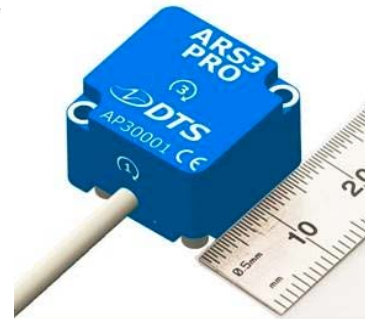
Testing packages dropped from tall heights or even from an airplane? Be confident the data is valid - even after a severe impact to the ground and a few trees along the way. And for biomechanics testing of everything from helmets to hockey sticks, DTS sensors let you calculate and verify body position (and even acceleration if needed) in very tight spaces without altering test dynamics.

Bottom line it's all about the need to quantify an object's position in space -- and that always starts with angular rate.

The new **ARS3 PRO Triaxial Angular Rate Sensor** makes it easy to accurately measure high rates of angular velocity, even in excessive shock and vibration environments. Rugged and ultra-small, three angular rate sensors are packaged in a sealed enclosure that is so small and lightweight that it does not affect the test dynamics, even for critical test applications.

- **Range options:**
±300, 1500, 8k, 18k, 50k deg/sec
- **Shock Rating:**
up to 10000 g
- **Approvals:**
Meets the latest U.S. government dynamic performance requirements

[Visit our website for datasheet and specifications.](#)



The ARS3 PRO 50k can measure up to 8300 RPM



Visit DTS Booth #3117 at Automotive Testing Expo China, September 15-17, 2014.

New DTS Help Center

Quick and Easy Access to Downloads & Technical Support

DTS HELP CENTER

PRODUCTS

Diversified Technical Systems designs and manufactures data acquisition systems & sensors for the experienced testing professional.
www.dtsweb.com

SERVICES

24/7 Tech Support
ISO 17025 (A2LA)
Calibration & Repair
Application Support
Software Integration
OEM/Embedded
Customized Training

TECH CENTERS

Novi, Michigan USA
Sydney, Australia
Lincoln, United Kingdom
Tokyo, Japan

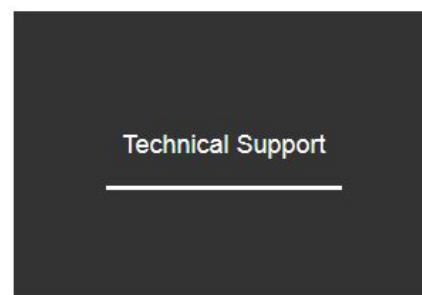
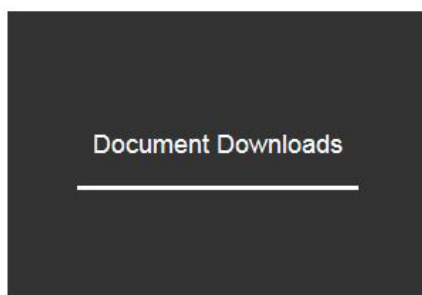
HEADQUARTERS

Seal Beach, California USA

CONTACT US

Phone: +1 562 493 0158
Email: sales@dtsweb.com

[Join Our Mailing List!](#)



Visit the new DTS Help Center on our website

Now on-line is the newly enhanced Help Center which organizes DTS Technical Support into one easy-to-navigate and searchable location. The site is fully supported for mobile and tablet devices. With a simple registration, users have unrestricted access to manuals, downloads, videos and articles. Software and firmware downloads are hosted and accessible in the Help Center for approved and registered users. Contact the worldwide DTS technical support team through the "Submit a Request" feature. The website allows tracking and archiving of support requests, making them easily accessible for long-term reference. Additionally, users can follow important sections and receive automatic updates when new information or files post.

Off-site and don't have internet access? Download files on your mobile device and transfer them to a PC. You can submit a request and upload files from your mobile device as well.

[Help Center](#)
[Register Now](#)

DTS Welcomes New Team Members



Jenna Miller,
Field Service Engineer

DTS is pleased to announce the appointment of Jenna Miller to the position of Field Service Engineer and Daniel Stelung to Electrical Engineering Manager.

Jenna joins DTS with an excellent track record in testing and is an experienced DTS DAS user. Most recently she was part of Tesla Motors Vehicle Test Group where she developed procedures for pedestrian protection testing, as well as for data acquisition and sensor use and operation. She also worked in the Toyota Technical Center as a Safety and Crashworthiness Technician where she gained experience in the ATD Lab, sensor repair, and test prep. In her new position, Jenna will be traveling to support DTS customers in the US and around the globe.

Daniel brings a vast amount of worldwide experience to his new position as Electrical Engineering Manager. His career has taken him to three corners of the world including Argentina, Israel, and all around the USA. Daniel has worked in hardware & firmware design and implementation for several small and start-up companies. He brings a diverse product and industry knowledge base to DTS, including airport security and cargo x-ray scanners, vision systems for metal fabrication, programmable power supplies for renewable energy applications, electronic toys for Mattel, and printer controllers for Cannon, HP, Epson, and Hitachi.

We are excited to welcome both Jenna and Daniel to team DTS!



Daniel Stelung,
Electrical Engineering
Manager

Now Playing:

KARCO Engineering Featured in New Subaru TV Commercial

A TV commercial for the new Subaru Eyesight® crash prevention technology was recently filmed at [KARCO Engineering's](#) test facility in Adelanto, California.

KARCO, one of DTS's first customers, is the only full service crash test facility on the west coast and offers a variety of services from automotive and federal highway testing to accident reconstruction. The facility provides three outdoor tracks for dynamic testing that includes one 1000 foot-in-run concrete track with barriers and pads, and two 850-foot-in-run concrete tracks. High testing accuracy is assured through use of precision cable and pulley systems for towing vehicles and barriers. Established in 1994, KARCO is accredited by the International Accreditation Service (IAS) to ISO 17025:2005.



KARCO Test Facility



Subaru Commercial

See the new Subaru commercial promoting Eyesight® - the latest evolution in automotive safety technology.

And yes, of course the car had DTS equipment on board!

DTS Earns Honorable Mention by TEMA

Toyota Motor Engineering & Manufacturing North America (TEMA) awarded DTS

Honorable Mention in recognition for superior performance as a supplier for 2013. Suppliers are rated on several categories including safety, management/customer service, problem solving and Kaizens (Japanese for continuous improvement), quality and cost.



As part of the comments on the performance rating sheet, Toyota stated that, "DTS supplies high quality equipment and service. Their technical support staff is very easy to contact and they are always able to provide solutions."



Diversified Technical Systems, Inc.
1720 Apollo Court | Seal Beach, CA 90740 USA
+1 562 493 0158 | sales@dtsweb.com

www.dtsweb.com

[Forward email](#)



This email was sent to shelly.horvath@dtsweb.com by shelly.horvath@dtsweb.com | [Update Profile/Email Address](#) | Rapid removal with [SafeUnsubscribe™](#) | [Privacy Policy](#).

