

RAILWAY & HIGH-SPEED TRAIN TESTING

Data Recorders and Sensors for Structural Dynamics, Performance & Occupant Injury Analysis

APPLICATIONS

- Component testing
- Impact testing
- In-dummy
- Injury analysis
- Rail safety systems
- Ride & handling
- Vibration testing

PRODUCTS

DTS offers a full line of dynamic data acquisition systems and smart sensors for high shock testing.

SERVICES

24/7 Worldwide Tech Support
 Calibration & Repair Services
 Application Consulting
 Software Integration
 OEM/Embedded Applications

TECH CENTERS

Seal Beach, California USA
 Novi, Michigan USA
 Sydney, Australia
 Shanghai, China
 Zorge, Germany
 Tokyo, Japan



All photos courtesy of KRRI

DTS is the world leader in data acquisition systems and smart sensors designed for dynamic testing. DTS data recorders are some of the smallest crashworthy systems available and are ideal for testing that involves pressure, strain, force and acceleration transducers.

Data Acquisition Features

- Extremely small, lightweight, self-contained
- Easily mounts or embeds in test article
- In-dummy or on-vehicle installation
- Channel modularity, custom configurable
- Able to record minutes to hours (based on sampling rates)
- Sampling rates of 100 ksps/channel or greater
- High bandwidth anti-alias filters
- Durable enclosures designed to withstand high impact
- Ideal for low and high channel count tests
- Intuitive, easy-to-use software

Recommended Products



SLICE miniature data recorders feature 3-channel sensor input SLICES that stack to create modular, custom configurable systems.
 SLICE NANO: 26 x 31 mm footprint
 SLICE MICRO: 42 x 42 mm footprint



TDAS PRO SIM data recorders feature 8 fully-programmable sensor input channels. Use standalone or assemble into DTS racks for large test set-ups.
 TDAS PRO SIM: 13.7 x 12.2 x 3.4 cm



TDAS G5 DAS records on all 32 channels up to 100 ksps for 15 seconds. Flexible for in-dummy, on-vehicle and load cell walls.
 TDAS G5 DAS: 25 x 54 x 85 mm



ARS angular rate sensors are durable and available in standard range options from 300-12000 deg/sec.
 ARS: 7.6 x 10.2 x 14.0 mm



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Specifications subject to change without notice.
 REV 10.2010