

MOTORSPORT TESTING

Data Recorders for Structural Dynamics, Performance & Occupant Injury Analysis

APPLICATIONS

- Incident "black box"
- Injury analysis
- Performance analysis
- Structural dynamics
- Research & development

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



Photo courtesy of Wayne State



Photos courtesy of Midwest Roadside Safety Facility (MWRSF), University of Nebraska-Lincoln

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 acceleration, force, strain and "black box" incident recording.

Data Acquisition Features

- Extremely small, lightweight, self-contained
- Easily mounts or embeds in test article
- Flexible for in-dummy, on-vehicle and load cell wall
- Channel modularity, custom configurable
- Ideal for low and high channel count tests
- Able to record minutes to months (based on sampling rates)
- Sampling rates of 100 kspcs/channel or greater
- High bandwidth anti-alias filters
- Durable enclosures designed to withstand high impact
- Intuitive, easy-to-use software
- TDAS Control software includes DRI and HIC calculations

Recommended Products



TSR shock recorder has 3 internal accels and is capable of operating up to 24 months unattended. Available in 3 models, each with sensor, frequency and battery options.
TSR, TSR PRO, TSR PRO-HB: 72 x 72 x 22 mm



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



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