

UMBILICAL-FREE DYNAMIC TESTING

Reliable Wireless Communication & On-Board Power

APPLICATIONS

- Automotive safety
- Biomechanics
- Helicopter & aircraft
- Impact testing
- In-dummy
- Ride & handling
- Sports & safety equipment
- Vibration testing



Photo courtesy of TRL

DTS makes umbilical-free testing even easier with a complete line of wireless solutions that work together as a system or standalone. Whether the goal is wireless communication with TDAS PRO or TDAS G5 DAS, controlling lighting or cameras, or providing on-board battery power, DTS offers durable solutions designed specifically for dynamic testing.

System Features

- Eliminates trailing cables for free motion dynamics
- Reliable wireless communication and data downloads
- Allows real-time communication between on-board system and control room
- Crashworthy enclosures, shock rated up to 100 g
- Dependable on-board power options
- Secure communication and connection of multiple networked Ethernet devices

PRODUCTS

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

Recommended Products



TDAS PLUS Wireless Ethernet (WETn) is a crashworthy system that provides reliable wireless Ethernet communication between on-board systems and a facility network. Complete data downloads and 2-way communication via standard 802.11b/g/n protocols. Securely connects multiple networked Ethernet devices for real-time communication.



TDAS PLUS Wireless I/O (WIO) is a crashworthy 2-way wireless communication system that provides 16 channels of digital input/output status communication. The 8 channels in each direction support TTL, PLC and contact closure I/O signals. The TDAS PLUS WIO uses RF technology, ultra low power and fully isolated inputs and outputs that are compatible with 3-30 volt systems.

SERVICES

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



TDAS PLUS Smart Battery (top)
TDAS PLUS Mini Smart Battery offer reliable on-board power for DAS and cameras, plus Ethernet interface for battery status. The crashworthy Lithium polymer batteries offer complete power solutions and eliminate trailing cables.

The Smart Battery offers >400 W of power and 18-36 VDC input/output. The Mini Smart Battery offers >200 W of power and 18-36 VDC input, plus one 18-36 VDC and ten regulated 12/15 VDC outputs.

TECH CENTERS

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