

APPLICATIONS

- Aerospace analysis
- Automotive safety
- Biomechanics
- Blast testing
- Embedded monitoring
- Helicopter & aircraft
- Impact testing
- In-dummy
- Injury investigation
- Load cell barriers
- Pedestrian head & leg form
- Ride & handling
- Sound measurement
- Sport & safety equipment
- Vibration testing

PRODUCTS

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

TDAS PLUS MINI DISTRIBUTOR

Controls Signal Integration & Power Distribution for Multiple TDAS Systems



The TDAS PLUS Mini Distributor integrates power, communication, status and event signal distribution functions for multiple TDAS systems into one small, crashworthy package.

Features

- Durable, rugged and reliable, factory tested to 100 g
- The total output power of 270 W supports up to 16 TDAS G5 DAS modules or 16 TDAS PRO SIMs
- LED indicators for individual system status, Ethernet traffic, combined system status and power status
- Multiple DC voltage input options provide 4 regulated 15 VDC outputs
- Small footprint with integral threaded mounting holes
- Internal supercap to maintain trigger and status states during a power failure
- Includes over- and undervoltage protection, overcurrent protection and power input polarity protection
- Industry standard Ethernet communications 10/100BaseT

The TDAS PLUS Mini Distributor from DTS provides a central hub for signal integration and power distribution for multiple TDAS systems. Ideal for TDAS G5 in-dummy and on-vehicle use, the event and status signals from each connected system are isolated internally and then integrated to provide a single event and status signal to the entire system. Only one connection to PC, external hub or wireless unit is needed to accomplish all communication functions, diagnostics, system status monitoring and data downloads.



The TDAS PLUS Mini Distributor supports TDAS G5, TDAS PRO and even competing DAS.

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

Specifications

PHYSICAL

Size:	235 x 117.5 x 51 mm (9.25 x 4.63 x 2.01")
Weight:	1.82 kg (4.01 lb)
Mounting Method:	4 Integral threaded mounting holes (M8x125)
Connectors:	LEMO and Mil-Spec compatible

ENVIRONMENTAL

Operating Temp.:	0-50°C (32-122°F)
Shock:	100 g peak, 12 msec half sine

INTERFACE OPTION 1

Input Connector:	Mil-Spec 4-pin (power input only)
Input Voltage(s):	Three ranges available: 15 VDC (pass thru) 24 VDC (18-36 VDC range) 48 VDC (36-60 VDC range)
Protection:	Reverse polarity; over- and undervoltage; overcurrent
Communications:	10/100BaseT

INTERFACE OPTION 2

Input Connector:	LEMO 4B (Crashlink®-compatible)
Input Voltage:	24 VDC (18-36 VDC range)
Protection:	Reverse polarity; over- and undervoltage; overcurrent
Event Input Type(s):	Single event, double event modes
Communications:	Ethernet 10Base2

UMBILICAL CONNECTOR

Input Connector:	LEMO 2B, 19-pin "B" key
Event Input:	Bidirectional, isolated, contact closure
Start Record Input:	0-5 V
Status Output Signal:	0-5 V, 20 mA
Communications:	Ethernet 10/100BaseT

CONTROL CONNECTOR

Input Connector:	LEMO 2B, 7-pin
Event Input:	Bidirectional, isolated, contact closure and logic-compatible: 0-5 V voltage input
Start Record Input:	0-5 V, bidirectional, isolated
Status Output Signal:	0-5 V, 20 mA

TDAS SYSTEM CONNECTOR (4 PER UNIT)

Input Connector:	LEMO 2B, 19-pin "A" key
Output Voltage:	15 VDC, 4.2 A (nominal)
Protection:	5 A self-resetting fuse on each output
Event Input:	Bidirectional, isolated, contact closure
Start Record Output:	0-5 V, 20 mA
Status Input Signal:	0-5 V
Communications:	Ethernet 10/100BaseT

Authorized DTS Representative:



909 Electric Ave., Suite 206
Seal Beach, CA 90740 USA
Phone: +1 562 493 0158
Email: sales@dtswb.com
www.dtswb.com

Specifications subject to change without notice.