

TDAS PLUS

Mini Distributor

The TDAS PLUS Mini Distributor is designed for use with all TDAS systems, particularly TDAS G5 in-dummy and on-vehicle systems. The crashworthy TDAS PLUS Mini Distributor integrates power, communication, status and event signal distribution functions for multiple TDAS systems into a small, crashworthy package.

Flexibility

With multiple power input options, the TDAS PLUS Mini Distributor provides a total of 270 Watts of regulated and conditioned output power. Compact and flexible, it can be mounted side-by-side with TDAS G5 Vehicle Docking Stations for seamless integration into your test environment. Multiple configuration options provide support for any TDAS or iCrash™ data collection system—even our competitor's product.

Industry-standard 10/100Mbit communications are supported by an internal Ethernet switch and optional 10Base2 converter. Event and status signals from each connected system are isolated internally and integrated into a single event and status for the entire system. Only one connection to a PC, external hub, or wireless unit is necessary to accomplish all communication functions, perform diagnostics, obtain system status and download data.



TDAS PLUS Mini Distributor

Supports 500+ Channels

What is truly groundbreaking is ability of the TDAS PLUS Mini Distributor to support up to 16 TDAS G5 DAS modules. That's an incredible 512 analog and 256-512 digital channels per TDAS PLUS Mini Distributor—unequaled by any competitor!

Whether you have TDAS G5, TDAS PRO or even a competing DAS product, the TDAS PLUS Mini Distributor is your single resource for TDAS signal integration and power distribution.

Features and Benefits:

- Supports all TDAS G5 iDummy™, iCrash™, and iWall™ applications.
- Total output power of 270 W will support up to 16 TDAS G5 DAS modules.
- TDAS PRO systems supported in power-limited applications.
- LED indicators for individual system status, combined system status, and power status.
- Small footprint with integral threaded mounting holes.
- Factory tested to 100+ Gs.
- Industry-standard Ethernet communications.
- Over- and undervoltage protection, overcurrent protection, and power input polarity protection.
- Compatible with TDAS communication cabling and TDAS Control software.
- Compatible with competitor's product.

TDAS PLUS MINI DISTRIBUTOR SPECIFICATIONS

INTERFACE OPTION 1

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

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
Event Input:	Bidirectional, isolated, contact closure
Start Record Input:	0-5 V
Status Output Signal:	0-5 V, 20 mA
Communications:	Ethernet 10/100BaseT/Tx

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
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/Tx

CONTROL SOFTWARE

Compatibility:	Standard TDAS Control Software compatible with TDAS PRO and TDAS G5 hardware; also compatible with MINIDAU®, via Crashlink®-compatible interface
Operating Systems:	Windows® NT, 2000, XP

ENVIRONMENTAL

Operating Temp.:	0-50°C
Shock:	100 G peak, 12 msec half sine
Vibration:	6 G rms, 55-1,000 Hz, 30 minutes

PHYSICAL CHARACTERISTICS

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

Specifications may be revised without notice.



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