

# TDAS PLUS Level Trigger Device

It is now possible to trigger your entire data acquisition system with the reliable, crashworthy, accelerometer-based TDAS PLUS Level Trigger Device (LTD). The unit provides up to two opto-isolated, contact-closure outputs when a user-selected acceleration threshold is exceeded. The TDAS PLUS LTD will initiate data collection or event trigger when used with TDAS PRO, TDAS G5, or TDAS PLUS equipment. Not just for use with DTS equipment, the TDAS PLUS Level Trigger Device can be used with any system or device capable of receiving a contact-closure event signal.

## Applications:

Acceleration-based trigger for:

- HYGE acceleration sleds
- Vehicle crash testing
- Component testing

## Functionality:

The simple switches on the unit's control panel allow selection of the operational parameters:

- **G level:** 0.5, 1.0, 2.0, 5.0, and 10.0
- **Filter Option:** 50, 100, 200, 500, and 1000 Hz
- **Arm Mode:** Safe, G's, or Enabled via External Signal

Other function parameters include:

- **LED Indicators:** Power and T=0
- **External Accelerometer:** Includes a high quality accelerometer, cable and connector (see back for specifications)
- **Interface Connector:**
  - External arm input
  - 12 VDC, 50 mA power input with overvoltage, overcurrent, and reverse polarity protection
  - Filtered and unfiltered acceleration signal outputs
  - Two opto-isolated, contact-closure event outputs



## Features and Benefits:

- Can be used with any system or device capable of receiving a contact-closure event signal
- Small, crashworthy design suitable for mounting on sled or other dynamic testing device
- User-selectable features include G level, filter option and arm mode
- Includes user-replaceable external accelerometer and custom interface cable
- LED indicators for power and T=0
- Overvoltage, overcurrent, power input polarity and event overvoltage protection
- Requires no software

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