.LAB

OUR EQUIPMENT. YOUR SUCCESS.

Test Lab Professional™- Now with USB 3.0!

Test Lab Professional (TLP™) is specifically designed to support the needs of packaging and product reliability laboratories in the management of drop, shock, impact, and vibration testing of their products, packaging materials and packages. Now with a USB 3.0 interface which enables the user to install and set up the software quickly and easily!

TEST WITH CONFIDENCE

TLP™ is a Windows10 based data acquisition system designed to complement any drop, shock, and vibration package test system. TLP™ provides the ability to accurately capture, analyze, and provide quantitative results of your product and package testing. TLP™ is critical in assessing your packaged systems performance in the distribution environment.

TEST With CONFIDENCE

TLP™ FEATURES

- Data acquisition and analysis system

- Provides 4-Channel simultaneous data capture abilities

- Complete with hardware, accelerometer, and cables

- (1) Single user TLP™ Version 6 software license and distribution

- (1) USB dynamic signal acquisition module (4 channels), with USB cable

- (2) 20 feet accelerometer cables (6m)

- (1) 1000 G (DS) triaxial or (1) 50 G (V) ICP accelerometer

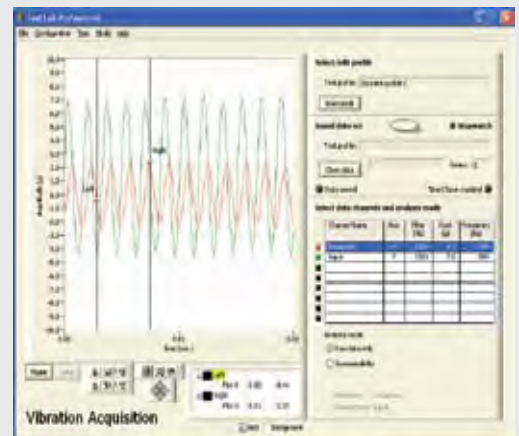## Now with A Triaxial Accelerometer!
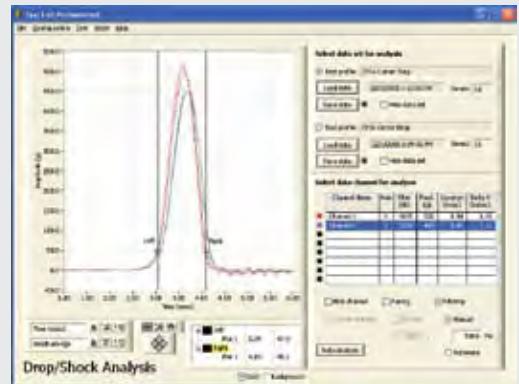
(Drop/Shock Only)

AVAILABLE CONFIGURATION OPTIONS

Drop & Shock (DS) ▪ Vibration (V) ▪ Drop, Shock, & Vibration (DSV)

Test lab Professional (TLP™) is a four channel PC-based data acquisition system designed to compliment our entire range of product reliability testing equipment. In addition to capture and analysis capabilities for shock, drop, and impact test data, TLP™ also possesses a highly powerful and intuitive vibration acquisition and analysis capability for systems producing vibration within a frequency range of 1 to 500 Hz.

Test Lab Professional™ Features

- Peak G, Duration, and Change in Velocity analysis

- (1) Triaxial, 1000g ICP accelerometer (D/S)

- (1) Single-axis, 50g ICP accelerometer (V)

- Zoom and Pan

- Auto Analyze for standard views

- Delta-V and Pulse duration auto calculate

- English or SI unit selection

- Supports test protocol sequences

- Manual or automatic scaling

- All vibration waveforms: Peak G and Frequency analysis

- Discrete vibration waveforms: Peak G Transmissibility analysis

- Logarithmic or linear scaling

- View raw data and analysis simultaneously

- Save data samples manually or with one-shot stop watch timer

- Random vibration waveforms: Power Spectral Density (PSD), instantaneous or average, and PSD Transmissibility analysis

Drop/Shock Analysis

Vibration Acquisition

SPECIFICATIONS

- Measure and capture acceleration (g), pulse duration (ms) and velocity change (delta-V)
- Sufficient to acquire 0.1 msec half-sine pulses with 6% theoretical error on 4 channels simultaneously
- Input ranges: ±10V, ±5V (default), ±0.5V, ±0.05V
- Triggering: manual or automatic (per axis or triaxial)
- Data window: manual or automatic duration
- Low pass data filtering: none, automatic, or user-specified cutoff frequencies
- Auto-analyze for standard views
- Auto-calculate change in velocity and pulse duration
- Supports Test Protocol sequences
- Increased sampling rate enhances high frequency vibration resolution
- Increase filtering levels from 0-4999 Hz to 0-99,999 Hz (1 Channel discrete waveform)

Windows 10

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Due to our continuous commitment to product development, the above specifications and features may be modified without notice.

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