

## TestLabProfessional- Now with USB!

TestLabProfessional (TLP)<sup>™</sup> is specifically designed to support the needs of packaging and product reliability laboratories in the performance of drop, shock, impact and - vibration testing of their products, packaging materials and packages. Now with a USB interface which enables the user to install and set up the software quickly and easily!

### TEST WITH CONFIDENCE

TestLabProfessional (TLP)<sup>™</sup> is a PC-Based data acquisition system designed to complement any drop, shock, and vibration package test system. TLP<sup>™</sup> provides the ability to accurately capture, analyze, and provide quantitative results of your product and package testing. TLP<sup>™</sup> is critical in assessing your packaged systems performance in the distribution environment.

## TEST With CONFIDENCE

### TestLabProfessional (TLP)<sup>™</sup> 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 (Windows 7 Compatible) software license and distribution CD (includes software and User Manual)
- (1) USB dynamic signal acquisition module (4 channels), with USB cable.
- (2) 20ft accelerometer cables (6m)
- (1) 1000 G (DS) or (1) 50G (V) ICP accelerometer
- Software upgrades and technical product support for 12 months



### TestLabProfessional (TLP)<sup>™</sup> Operation

TLP<sup>™</sup> features the use of test profiles, allowing the user to setup and record for current and future use, a number of different test scenarios representing common testing modes. An Accelerometer database stores all relevant information about the user's input devices and allows the user to quickly assign the accelerometers to data acquisition input channels. Up to four channels of data may be captured at one time into a data set (requires appropriate hardware support).

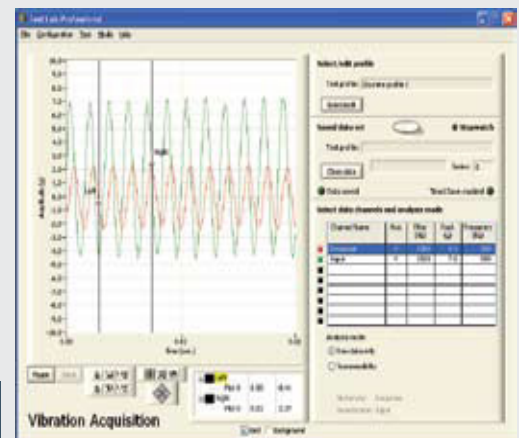
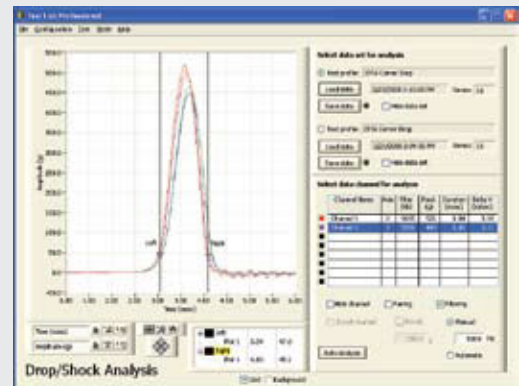
## AVAILABLE CONFIGURATION OPTIONS

Drop & Shock • Vibration • Drop, Shock, & Vibration

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 -V 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.

TestLabProfessional > DROP/SHOCK ,VIBRATION, or Combo Drop/Shock/Vibration

- Peak G, Duration, and Change-in-Velocity analysis
- (1) Single-axis, 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 analyses



## 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:  $\pm 10V$ ,  $\pm 5V$  (default),  $\pm 0.5V$ ,  $\pm 0.05V$
- 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
- Use any current laptop or PC tower with no special requirements (4 channel USB version)
- Increase filtering levels from 0-4999 Hz to 0-99,999Hz (1 ch. discrete waveform)

