



Product Datasheet

5340 USB Vibration Measurement System

Applications

- ◆ Automotive
- ◆ Field-portable data collection
- ◆ End-of-line testing
- ◆ Static Angular Measurements
- ◆ Ride Quality
- ◆ Rotating machinery
- ◆ Human response
- ◆ Vibration testing
- ◆ Motorsports
- ◆ Biomechanics
- ◆ Head form
- ◆ Helicopter & aircraft
- ◆ Impact testing
- ◆ Package testing
- ◆ Ride & handling
- ◆ Amusement rides
- ◆ Sports
- ◆ Safety equipment
- ◆ Playground testing

Dytran Instruments, Inc. Introduces

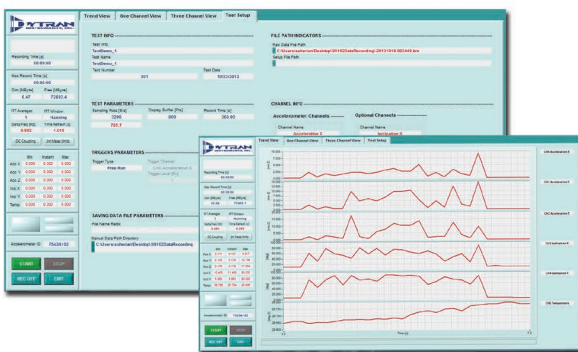
The VibraScout 3D™



The Dytran USB digital tri-axial accelerometer combines a 3-axis MEMS accelerometer and onboard temperature sensor with a microcontroller to create a smart sensor.

What Can This Sensor Do For You?

The Dytran model 5340 is a unique and innovative solution for fast, portable, cost effective vibration surveys and data acquisition. Easy to install software allows for real time, three-directional vibration data acquisition (including static inclination) along with real-time temperature monitoring.



Device Features:

- ◆ **5340 System Includes:**
 - ◆ 7543B USB accelerometer
 - ◆ 6330A 4-pin to USB cable
 - ◆ VibraScout™ Software & VibraScout™ Post Processor



- ◆ The 7543B sensor is powered via USB port
- ◆ Real-time acquisition and USB transfer of acceleration (including static inclination) and temperature data
- ◆ Built-in firmware handles USB communication & provides a number of unique features including:
 - ◆ Storage of device serial number
 - ◆ Storage of accelerometer and temperature calibration data
- ◆ Additional storage available for customer information - e.g. last calibration date, etc.

Our Company

Since its founding, Dytran has built a solid 30+ year industry reputation for trusted, field proven experience in the design and manufacture of sensors for dynamic testing.

VibraScout™ Software Features:

- ◆ Real-time scrolling plots of acceleration data with display of min, max, mean
- ◆ Plot features: zoom & pan, display of individual sample values, save to image file, printing
- ◆ Real-time display of X and Y axis inclination angles and temperature
- ◆ Real-time logging of data to delimited file for importing into spreadsheet
- ◆ Both auto and smart triggering modes
- ◆ Fast Fourier Transform Plots of all orthogonal channels.
- ◆ API available as .NET dll



Made in USA
Chatsworth, CA



Presented by: Absolute Gauge Technologies
sales@absolute-gauge.com; www.absolute-gauge.com,
Toronto: 416 754 3168, Montreal: 514 695 5147, Toll Free: 1 888 754 7008