Truck Vibration Technology

Vibration Solutions for the Trucking Industry

Driveline Vibration Analyzer (DVA 2.0 Plus) - Advanced

Helps Eliminate Truck Vibration Problems

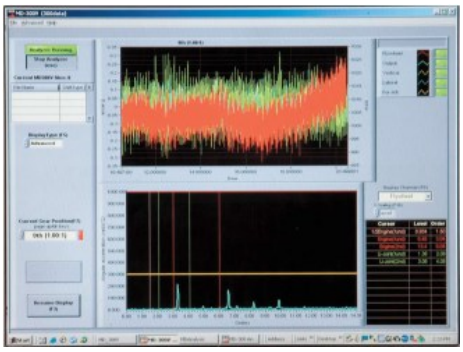
TVT's Advanced Drivetrain Vibration Analyzer is a powerful vehicle development tool. Organizations involved in the engineering and manufacturing of vehicles, suspensions, tires, wheels or driveline components can more effectively trouble-shoot end-of-line vibration issues and field complaints with the Advanced VVA's comprehensive vibration analysis.

Features

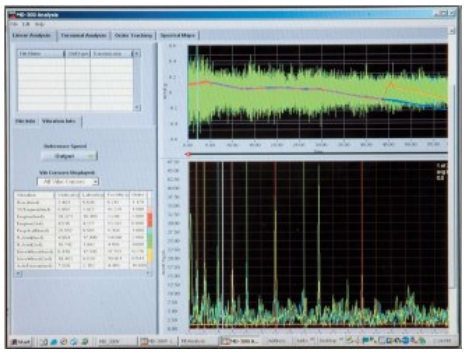
- Easy data acquisition for advanced vibration analysis
- Three vibration sensors for enhanced vibration diagnostic capability
- Automatic engine and cab mount effectiveness analysis
- Advanced Driveline Vibration Analysis software includes:
  - Linear Analysis
  - Torsional Analysis
  - Order Tracking
  - Spectral Maps and Waterfalls
- On-screen cursors help pinpoint driveline-related vibrations
- Speed sensors have alternate placements for better vehicle coverage and more accurate results
- Live data is provided in a graphical format for signal review
- Vibration data can be viewed in two formats: Basic or Advanced
- Save data to your computer or email it to vibration experts for further analysis
- Create and print reports for further review

The Advanced Driveline Vibration Analyzer (DVA) Tool Kit is an easy-to-use diagnostic system that allows you to measure, diagnose and correct driveline vibration problems in medium- and heavy-duty drivetrains.

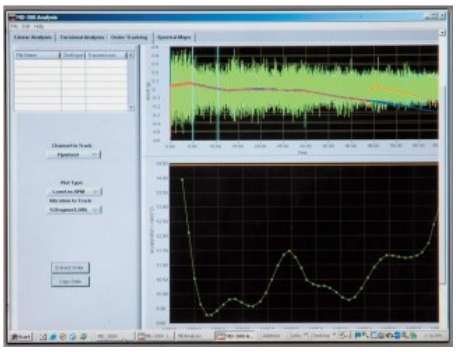
Drivetrain Vibration Analyzer – Advanced



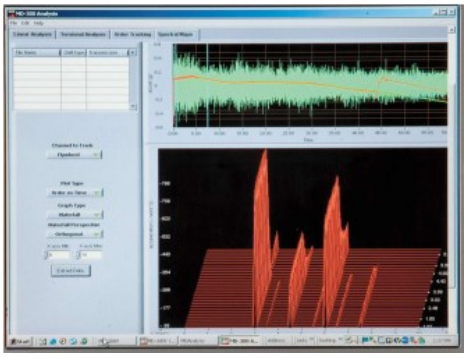
The Advanced Driveline Vibration Analyzer's sensor graphs are color-keyed to match the analysis graph so users can quickly identify which signal is being analyzed; color-coded cursors that line up with typical vibration sources are also included. Both linear and torsional vibration information can be reviewed to quickly pinpoint the vibration issue.



In Linear or Torsional Analysis mode, the "autoplay" feature allows users to playback the data as if the vehicle is in motion. The cursors on the signal graph can be moved to select a particular data area to analyze – there's no need to review the entire file! Data detail can also be easily viewed with the software's "pan", "zoom" and "scale" functions.



The Advanced Driveline Vibration Analyzer includes order tracking, which allows the user to monitor a particular vibration order over the cursor-defined area in order to pinpoint vibrations. This data can be correlated to speed to determine the relationship between speed and vibration.



The Advanced Vehicle Vibration Analyzer also provides spectral maps and waterfall maps to graphically view order vs. displacement over time. Users can select the data area they want to analyze by moving the cursors, and reports can be generated and printed with ease.

System Requirements

A PC should meet the following minimum configuration:

- IBM® PC-compatible computer – Pentium III or equivalent, 1Ghz or higher
- 256 MB of RAM
- 1024 x 768 screen resolution
- USB Interface
- 400 MB of free space on hard drive
- Operates on Windows 2000, Vista and Windows 7

How to Order:

This versatile kit is available from Truck Vibration Technology.

Phone: (269) 743-9372
Website: www.truckvibration.com
Email: johnjbair@truckvibration.com

Part Number:
DVA 2.0 Plus Advanced

DVA Advanced Kit Includes

Software Flash Drive
DAQ Box
Signal Conditioner
1 Underseat Accelerometer
1 Frame Accelerometer
1 Engine Accelerometer
3/4" Tap
Speedometer Sensor
7 Speedometer Pickup Adapter Cables
2 Gray Speed Cables
USB Cable
DAQ Box Power Cable (12v)
DAQ Box Power Supply (110v)
Flywheel Sensor
Carrying Case