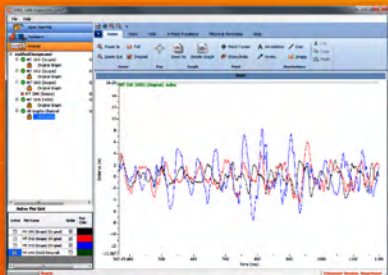
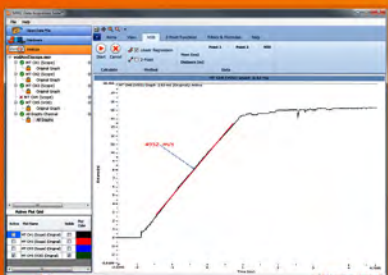


DAS™ DATA ACQUISITION SUITE

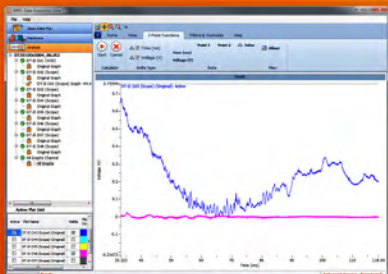
- FILE MANAGEMENT
- FILE IMPORT & GRAPH EXPORT
- HARDWARE SETUP AND DATA DOWNLOAD
- GRAPH OPERATIONS & VIEWS
- DATA FILTERING
- NOISE REMOVAL & SMOOTHING FILTERS



OPEN MULTIPLE FILES AND GRAPHS AT ONE TIME



DISPLAY, ANALYZE AND FILTER GRAPHS OF VOD DATA



DISPLAY, ANALYZE AND FILTER GRAPHS OF SENSOR DATA



DAS™ Data Acquisition Suite is a completely new software package that has been developed by MREL to support Customers using MREL's current line of velocity of detonation (VOD) recorders and data recorders.

MREL provides the internet downloadable Standard Edition of DAS™ Data Acquisition Suite at no charge to all Customers using MREL's HandiTrap II™ VOD Recorder, MicroTrap™ VOD/Data Recorder and DataTrap II™ Data/VOD Recorder. MREL also includes this Edition with each new recorder sold.

MREL offers an optional software upgrade path to the Advanced Edition of DAS™ Data Acquisition Suite for those Customers desiring additional software tools including data filtering, noise removal and data smoothing filters.

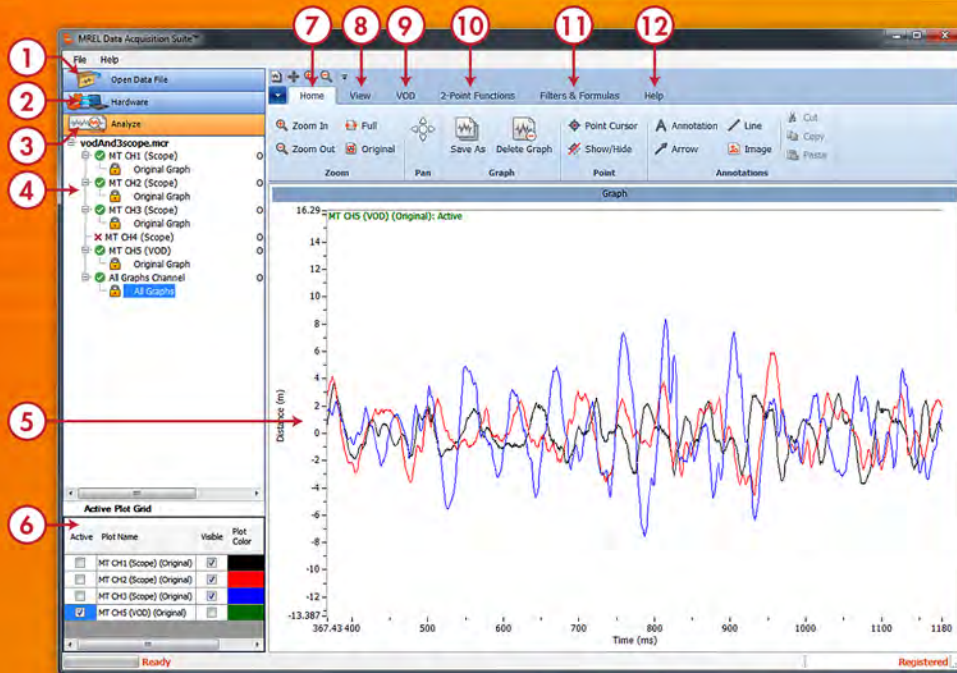
DAS™ Data Acquisition Suite runs under Windows® 32-bit and 64-bit operating systems and allows Customers to program their MREL recorders, download recorded data, display graphs of the data, analyze the graphs, annotate the graphs, and filter the data on the graphs quickly and easily in an iterative and intuitive manner. Graphical results can be easily copied and pasted into other Windows programs for inclusion in presentations and reports.

DAS™ Data Acquisition Suite is the software foundation upon which additional advanced software tools will be developed and made available to registered Customers.

- Compatible with MREL's lines of VOD and Data Recorders.
- Provides improved usability and productivity for a better Customer experience.
- Incorporates the latest software technologies and analysis tools.
- Compatible with Windows® XP and later, 32-bit and 64-bit operating systems.
- Standard Edition and updates are free to MREL's Customers.
- Optional Advanced Edition is also available with added features.
- MREL's 1 year Comprehensive Parts & Labour Warranty.

MREL Group of Companies Limited //
 1555 Sydenham Road // Kingston, Ontario K7L 4V4 // Canada //
 Tel: +1.613.545.0466 // Fax: +1.613.542.8029
www.mrel.com

SOFTWARE SCREEN LAYOUT:



1. **Open Data Files:** Open your data files.
2. **Hardware:** Choose, setup or download tests from your MREL recorder.
3. **Analyze:** Review and analyze your data.
4. **Treeview File Structure:** Review multiple files, associated channels and data.
5. **Graph Area:** Main graph review area.
6. **Active Graphs:** Activate a plot for various operations and control the visibility of plots.
7. **Home:** Zoom, Pan, Graph, point cursor and add annotations.
8. **View:** Graph axes, edit graph styles and show/hide elements.
9. **VOD:** Calculate VOD, Choose the method of calculation and review the data.
10. **2-Point Functions:** Calculate ΔX and ΔY . Apply Y Offset.
11. **Filters and Formulas:** Open, review and manage filters. Apply formula.
12. **Help:** Get help and support. Register and upgrade your software. Get Updates.

EDITIONS:

DAS™ Data Acquisition Suite - Standard Edition: Included with each MREL HandiTrap II™ VOD Recorder, MicroTrap™ VOD/Data Recorder and DataTrap II™ Data/VOD Recorder sold.

DAS™ Data Acquisition Suite - Advanced Edition: Includes all the features and capabilities of the Standard Edition with additional data filtering, noise removal, and smoothing filters not available in the Standard Edition.

DOWNLOAD SOFTWARE

Visit mrel.com/DAS/ to download DAS™ Data Acquisition Suite today.

MREL is committed to product innovation; accordingly product may undergo specification improvements without notice.
Copyright © 2014 MREL Group of Companies Limited. DAS™ Data Acquisition Suite, HandiTrap II™ VOD Recorder, MicroTrap™ VOD/Data Recorder, DataTrap II™ Data/VOD Recorder, MREL Logo are trademarks or registered trademarks of MREL Group of Companies Limited.

v1.0 - 01062014

Standard
Edition

Advanced
Edition

	Standard Edition	Advanced Edition
FILE MANAGEMENT		
Treeview file structure	●	●
Handle multiple data files	●	●
Open recently opened files	●	●
Open recently downloaded files	●	●
Open downloaded files calendar	●	●
Auto save	●	●
IMPORT FILE		
2-Column CSV files	●	●
EXPORT GRAPH		
BMP, GIF, JPG, PNG image	●	●
CSV file	●	●
HARDWARE SETUP & DOWNLOAD		
Standard Setup, Advanced Setup, Clear All Tests, Recall Setup File	●	●
GRAPH OPERATIONS		
Save as new graph	●	●
Delete graph	●	●
Zoom-in, Zoom-out	●	●
Panning	●	●
Display Full range	●	●
Display Original range	●	●
Apply Offset	●	●
Calculate VOD	●	●
Calculate X and Y Deltas	●	●
Apply Filters to Graph	●	●
Apply Formula to scope channels	●	●
Create Data Cursors	●	●
Add Annotations (Textual, Line, Arrow, Image)	●	●
Show/Hide file Treeview	●	●
Print, Print View	●	●
GRAPH VIEW		
Linear or Logarithm Axes	●	●
Change Axes range	●	●
Change graph caption	●	●
Change Axes captions	●	●
Horizontal/Vertical gridlines	●	●
Plot Style, Colour, Thickness, Point colour	●	●
ALL CHANNELS GRAPH		
View file's active channels on a single graph	●	●
Active plot selector	●	●
Plot visibility control	●	●
Save active plot as new graph	●	●
Apply filter to active plot	●	●
DATA FILTERING		
Standard filter families (low-pass, high-pass, band-pass, band-stop)		●
Bessel, Butterworth, Chebyshev, Elliptic		●
Windowed FIR filters (Hamming, Gaussian, Kaiser, Rectangular, Triangle)		●
Custom Formula filter (for scope channels)		●
NOISE REMOVAL & SMOOTHING FILTERS		
Median, Moving Average, Savitzky-Golay		●

As the DAS™ Data Acquisition Suite is updated, new features will be added. For the latest information and to review any new features please go to mrel.com/DAS/