

AEwin™... Comprehensive, Versatile & Friendly AE Software

AEWIN™ FEATURES OVERVIEW

AEwin™ is a 32-bit MS Windows™ compatible (XP/Vista/Windows7) software for real-time “simultaneous” **Acoustic Emission (AE)** feature and waveform processing, display, fast storage and replay. Used for true, real-time operation and control with your MISTRAS AE Systems (DiSP, PCI2, SAMOS, SH II, AE USB Node, Wireless AE Node). The software has full MS Windows™ resources including use of any screen size, printing JPGExport, networking, multi-tasking, and multi-processing.

AEwin™ also features complete compatibility with MISTRAS’ standard data file format (DTA), allowing you to replay and analyze your previously collected AE files and framework for easily adding graphs and additional graph screens and user controllable tool bars including: set-up icons, acquisition control, line listing, status and statistics.

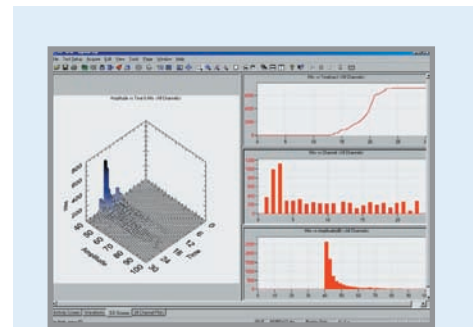
GRAPHIC CAPABILITIES

- Exceptional 2-D and 3-D graphing capabilities that allow the setup of multiple graphs on a screen, limited only by the screen resolution.

- Hit/Event Identification that displays detailed information on selected data and highlights it in other graphs.
- Ability to set up and individually size (on screen) many different types of graphs including; 2-D line graphs, histograms, point plots, waveforms, FFTs, overlays, multiple plots on a single graph and color options.
- Arrange multiple graphs on a screen.
- Toggling between multiple screens by selecting a user-labeled tab.
- Expandable to full screen with zooming and panning for close-up analysis.
- Full cursor readout capability.

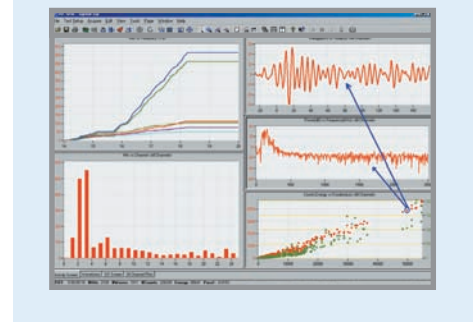
LOCATION & CLUSTERING OPTION

- 1, 2 and 3 dimensional location modes.
- Allows setup of multiple location groups.
- Provides mouse-oriented sensor placement and editing features.
- Allows selection of type of structure (plate, vessel, etc.) for setup, viewing & location.
- Incorporates attenuation profiling into location software (to view a sensor coverage map and provide source amplitude information).



Above: AEwin’s 3-D graphing capability allows the graph to be rotated freely, using the mouse.

Below: A typical activity screen with both AE features and wave-forms, processed with a simple “mouse click” for any specific hit.



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