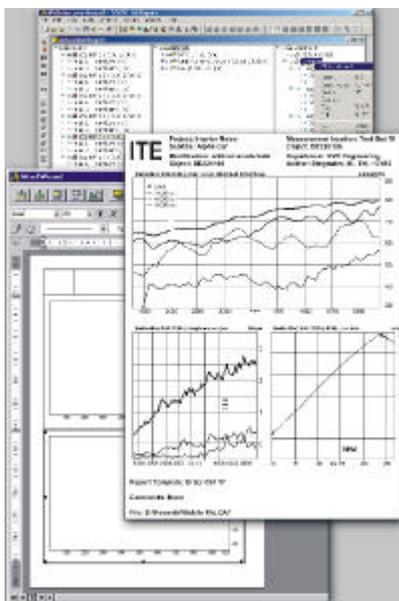


The new ArtemiS 4.0

introduces many new features targeted at simplifying your everyday work. The newly developed Version 4.0 is the product of HEAD acoustics ongoing efforts to ensure enhancements in user-friendliness and performance, while implementing ideas gained from feedback of existing ArtemiS users.

Advanced Documentation

Very important among the new features of ArtemiS 4.0 is Advanced Documentation (ATP 11). At the press of a button, this tool transforms your everyday measurement and analysis reports into presentable Word documents. Via the new Word Wizard you are able to create any number of presentation templates to your own special requirements, allowing you to make your own individual choices about the number and layout of the fields for display of your analyses, diagrams and other pictures (for example, company logo), remarks and numerical entries. All you need to do is drag and drop your analyses, measurement series, or even entire folders into the templates: the "calculating" Word Wizard takes care of the rest, including automatic printing of the documents.



Mark Editor

The convenient properties of the Mark Analyzer are now also available for the Mark Editor. Drag & drop and an enhanced editing function add up to faster and simpler preparation of data.

User-defined information

The new electronic "notes" option, enables you to store remarks (user-defined information) along with your measurements and analyses. This stored information remains linked to the corresponding files and is accessible for application (for example, in Advanced Documentation). All entries can be configured according to your needs. The dialog can also be programmed to be displayed after each SQLab recording.

Signal generator

Many features of the signal generator, which now provides a simplified interface alongside the new functionality, have been revamped. There is now a different user interface for each kind of waveform. Further new features are an RPM sweep as well as an order generator, which enables one or more order characteristics by a specified RPM characteristic, either entered separately or taken from an actual measurement recording.

Multichannel Frontends

Functionality is extended in ArtemiS 4.0 to provide support for multichannel frontends. Alongside the actual measurement data, ArtemiS also records additional data via the CAN module. Access to higher input voltages and sampling rates are achieved via the DIC 21 module, which is supported by THALES-Heim frontends. The TEAC-GX1 provides a pulse input for GX1 users.

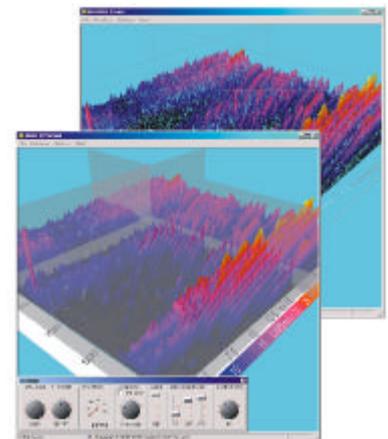
3-D Viewer

Wouldn't it be great to be able to view your analysis results from any perspective?

The topics you will find in this issue of HEADlines:

- ArtemiS 4.0
- New products

The new 3-D Viewer (ATP 18) provides you with extended three-dimensional display, thus widening your perspectives. You are not only able to select the view of your diagram, but the display mode and the transparency of the cursor surfaces. You rotate all diagrams to the angle you wish simply by using the mouse. The 3-D Viewer is versatile tool for your analyses.



Other new features

Little things are often what makes life easier, little things like the new, transparent Path History giving fast access to the marks, files or projects you were last working in by cutting out time-consuming searches. Or the MATLAB® interface which provides links ArtemiS 4.0 to MATLAB®-functionality, very popular with researchers and developers. Further features that you will find in the new ArtemiS 4.0 include extended statistic options, enhanced import/export, variable target level filters, a new playback dialog, plus a whole lot more.

Binaural Equalizer BEQ II

The binaural, programmable BEQ II equalizer is the new, somewhat different kind of Artificial Head. The big advantage: additional ICP[®], pulse and microphone inputs, alongside the proven functionality of the Artificial Heads of the HMS III generation. BEQ II also serves as a mobile and compact frontend. Via a BHM III.2 Binaural Head Microphone or HSU III Artificial Head Microphones, you are able to achieve aurally-accurate audio signal recordings. BEQ II amplifies and conditions the signals, providing a 24-bit digitized audio signal at the output for aurally-accurate playback.

Connecting BEQ II to your notebook via the USB interface provides you with a ready-to-go system. You are then able to execute and store your measurements and analyses using the versatile (and especially user-friendly) software ArtemiS 4.0.



Built-in rechargeable batteries make BEQ II independent-of-mains for a number of hours. Via the AES output featured in BEQ II you are also able to execute recordings using a DAT recorder.

BEQ II can be controlled either via the Remote Control Software or via the RC V remote control that enables control of recordings while operating a vehicle.

Adding a second, properly configured Artificial Head, allows four-channel recordings. Replacing the Artificial Head by a second BEQ II also allows four-channel ICP[®] recordings. The settings for four-channel recordings are executed via the HEAD Recorder Software, with the additional Artificial Head acting as the master, synchronizing the clock frequency of the BEQ II.

HEAD Supply Box HSB IV

The HEAD Supply Box ensures fast and transparent linking of HEAD acoustics recording and playback devices. As central platform of what is now the third generation of Artificial Head recording systems, HSB IV replaces the successful series of solutions featuring HEAD torsos with built-in electronics, thus achieving greater flexibility. A new height-and-tilt adjustable seat fitting for the Artificial Head will be available shortly.



Standard pulse sensors can be directly connected to the Supply Box. HSB IV is fitted with an internal pulse conditioning and extraction component. Four-channel recordings (executed via two Artificial Heads) are also no problem for HSB IV.

HSB IV is especially adapted for mobile application: the device can be powered via the on-board circuit of a vehicle as well as from the mains supply. Any devices connected are powered by HSB IV.



Measurement data can be recorded via a DAT recorder or a notebook. All parameters and functions of the Artificial Head, the DAT recorder and the notebook can be selected, modified and executed by connecting the RC V remote control.

Power Amplifier PVA IV.3

The cascable power amplifier PVA IV.3 is a new system component of the digital HEADphone Playback System from HEAD acoustics.



The entire system provides aurally-accurate conditioning of Artificial Head recordings, enabling authentic, true-to-original playback of sound events. PVA IV.3 is equally appropriate for A/B comparisons, professional audio applications, or for playback of conventional recordings.

The digital, programmable equalizer PEQ IV provides equalization of the acoustic signal. The signal is then amplified by PVA IV.3 for output via HA III headphones.

The electrostatic headphones HA III feature a high dynamic range and a large transmission range. The low distortion factor and high level of wearer comfort ensure that the HA III headphones provide true-to-original playback.

By cascading, PVA IV.3 can be extended to up to 40 headphone inputs (in pairs) with no reduction in sound quality.



Ebertstraße 30a
D-52134 Herzogenrath

Tel: +49 (0) 2407-577-0
Fax: +49 (0) 2407-577-99

eMail: info@head-acoustics.de
WEB: www.head-acoustics.de