

What's new in ACQUA 3.0.100:

Taking the ideas and requests of the global ACQUA user community into account, the HEAD acoustics software developers again achieved numerous improvements with regard to speed, ease of use, program ergonomics and functionality.

Most importantly, however, both the ACQUA database format and the ACQUA graphical user interface were changed significantly in order to assure that ACQUA is based on the technical state of the art and will be a safe investment for the coming years.



- ACQUA 3.0.100 supports Microsoft® Windows XP and Windows 7 (32 bit and 64 bit version)
- New HASP Dongle is used working without separate keyfile. Floating network licenses are available for ACQUA Workplace and most ACQUA options (to be ordered separately).
- ACQUA Databases:
 - Databases using Microsoft® SQL Server® 2008 R2 Express
 - Advanced database administration, remote ACQUA database administration
 - Advanced network abilities using Microsoft® SQL Server® 2008 R2 Express file stream instead of local shares to store measurement data
 - Higher performance for creation or deletion of ACQUA database objects
 - Multiple single values for each measurement can be stored
 - User defined properties can be used as base for sophisticated database SQL queries and extended documentation, allowing e. g. reporting with user's own tools
 - Easy database access using common SQL tools (SQL Server Reporting Services, SQL Server Management Studio, etc.)
- ACQUA graphical user interface:
 - User defined desktop layouts with docking and floating windows, multi-monitor support
 - Advanced overview about complex result properties in a separate viewer
 - Measurement objects and SMDs can be described using user defined properties
 - Multiple SMD editors and viewers can be used simultaneously

- Project Tree:
 - Expanding the ACQUA project tree is much faster than before
 - Better overview about MMDs and SMDs in the tree using different SMD icons and an optional additional SMD/MMD icon. SMDs that deliver results for Quality Pies are marked.
 - For each SMD and measurement object a certain result can be selected as main result. This can automatically be used for Quality Pie creation and for reporting.
- Advanced overview about database servers and databases
- Improved result diagram viewer
- Better overview about MMD settings using additional icons and tooltips
- Enhanced access to important functionalities via new toolbar icons
- Easier rearrangement of single reports within the report manager
- Advanced find tool for SMDs (Ctrl+F)
- Easier and more comfortable definition and use of quality pies
- General new features:
 - SMD Distortion (sinusoidal): The SMD now is optimized for multiple measurement frequencies. In this case only relevant results are stored and are plotted over frequency in one common diagram (cf. ACQUA help system).
 - SMD Distortion (noise): New parameters of this SMD type now additionally allow the calculation of the pulsed noise signal-to-distortion-and-noise ratio (PN-SDNR) according to IEEE 269-2010 (cf. ACQUA help system).
 - SMD 3QUEST: Check result extended to N-MOS, S-MOS (previously only G-MOS)
 - MP3 Import/Export via ACQUAlyzer (ACQUA Full License or Workplace required).
 - MMD Settings for MFE VIII / X / XI
 - MMDSetting -> Show: now also allows to display the Echo Settings of MFE VI / VII / VIII / X / XI (click on Echo Path block)
 - MFE VIII / X / XI in Master Settings
 - MFE VIII Settings in Report
 - All Echo Path Settings in Report
 - Measurement Settings: Show Correction Variables