HEAD acoustics

ArtemiS SUITE
Signal Processing

Code 51706

ASP 706 MECALC Support

MECALC Support enables the use of the DECAQ series of the QuantusSeries from MECALC with the Recorder of ArtemiS SUITE.

OVERVIEW

ASP 706 MECALC Support

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As of ArtemiS SUITE 15, the DECA**Q** series from MECALC can be used with the Recorder (APR 040 is required). This combination offers several tools for an easy configuration, such as the Measurement Point Library, the Sensor Library, and 3D grid models and enables the visual representation of all measurement chain elements.

The DECA**Q** series and second generation HEAD*lab* systems can be directly combined and synchronized via PTP (Precision Time Protocol) for simultaneous recordings.

KEY FEATURES

Support of the DECA**Q** series from MECALC for direct use with the Recorder of ArtemiS SUITE

Synchronized measurements of the DECA**Q** series with the second generation HEAD*lab* systems via PTP

Supported DECA**Q** modules:

›	ICS42	6 x ICP + Voltage
›	ICT42	2 x ICP + Voltage + Tacho Input
›	WSB42X	4 x Bridge + ICP + Voltage
›	CAN42S	2 x CAN + CAN FD
›	ICP42S	4 x ICP + Voltage
›	CHS42X	6 x ICP + Charge + Voltage
›	THM42	8 x E, J, K, T, U Thermocouple + Pt100
›	DCH42S	2 x Differential Charge
›	MIC42X	2 x Mic + ICP + Voltage

APPLICATIONS

› Portable measurements
› Test benches
› Field testings
› Complex laboratory applications

# Using the DECA**Q** series with the Recorder

The modular DECA**Q** series from MECALC is directly supported by the Recorder and can be configured like a frontend from HEAD acoustics. The Frontend Selection of the Recorder automatically displays all connected and supported modules as graphics. This makes it very easy for the users to compose their individual measurement systems intuitively via drag-and-drop. Even larger systems with many channels are quickly configured.

The task-oriented, clearly structured Recorder Configuration covers all data acquisition aspects. Each aspect is accessible via an icon to conveniently focus on corresponding settings. Signal, pulse, coded (...), and other channels are displayed including all relevant information in tabular form each on its own tab. Users specify the channels to be recorded and configure them as needed.

For selecting the correct sensors or for creating new sensors for the DECA**Q** modules in a few steps the Sensor Library is available, including a database with about 1200 sensors (microphones, acceleration sensors, impact hammers, etc.).

In combination with the Measurement Point Library, the sensors, the connectors of the modules, and measurement points can be connected with each other quickly and safely.

Recorder Configurations of individual DECA**Q** systems can be saved and reused or adapted to modified measurement setups if required.
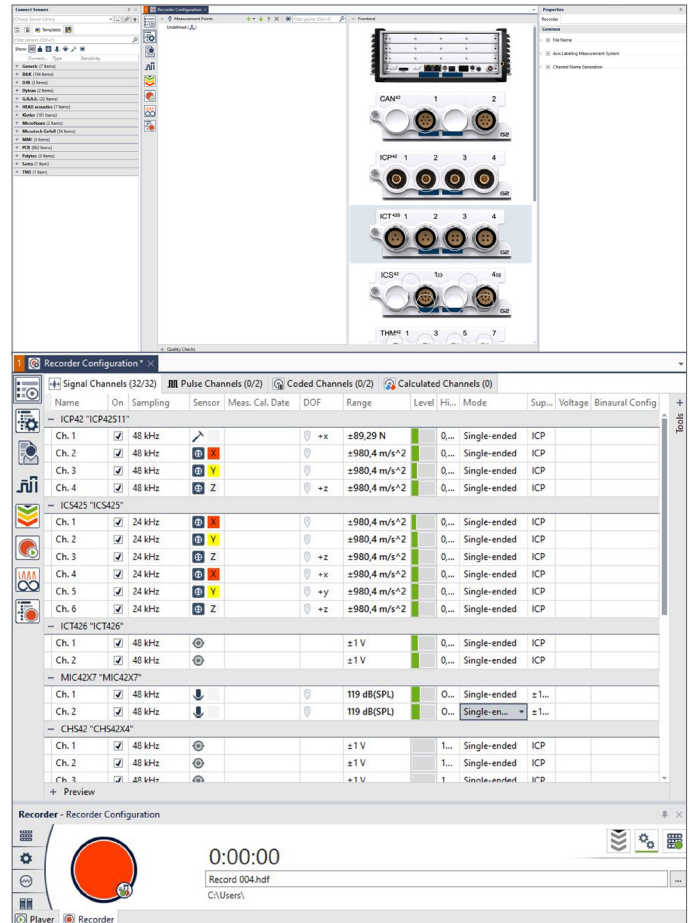
Recorder Configuration

Required: APR Framework (Code 50000)
APR 040 Recorder (Code 50040)

Contact Information

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