

Simcenter/SCx-ABH04/18/20180401

Simcenter SCADAS 3D binaural headset

Benefits

- 3D binaural recording and replay
- Light weight & Comfortable
- Easy connectivity using single cable and robust LEMO connector to Simcenter SCADAS XS.

Features

- Optional adapter cables to other Simcenter SCADAS systems (see accessories)
- Equalization filters for acquisition & replay (DF, FF, ID, LIN)

Summary

The Simcenter SCADAS 3D binaural headset offers high quality binaural microphone recordings & sound replay.



The design & equalization filters enables 3D sound recordings and realistic sound reproduction that virtually emerges the listeners in the original sound scape; preserving the original sense of direction and distance of the different sound sources present.

It's a cost-effective, light-weight and easy to carry around alternative for traditional binaural head microphones. Moreover it can be used where traditional binaural heads can not be used e.g. at the driver positions.

Combined with the Simcenter SCADAS XS or Simcenter SCADAS Mobile the Simcenter SCADAS 3D binaural headset is a power tool for NVH & Sound Quality testing and analysis in the lab and in the field.

The integrate replay capability also provide an easy yet effective way to validate the quality of acoustic or other measurement without the need for additional analysis. You can return home being sure having captured the sounds of interest with the right quality!

Specifications

Microphones

- Bandwidth: 20 Hz-20 kHz
- Max level: >130 dB
- Noise floor: typical 27 dBA
- ICP[®] compatible microphones electronics
- TEDS-compatible
- Sensitivity: 31.7 mV/Pa
- Factory aligned sensitivity



Headphone

- Weight 180 g (without cable 150 g)
- Ear pressure 3 N

Headphone replay

- Premium quality
- Type: dynamic - open
- Bandwidth: 18 Hz-18000 Hz
- 90 Ohm impedance

Delivery includes

- SCx-ABH04 Simcenter SCADAS 3D binaural headset
- Calibration certificate
- if ordered together with Simcenter SCADAS XS the delivery includes SCx-CASE06 nylon soft case fitting everything nicely in the XS hard-case.
- if ordered alone the delivery includes a separate SCx-CASE03 hard-case

Accessories

- SCx-ABH04-V adapter cable to SCADAS V8-E (LEMO to Camac) : This adapter allows to connect the Simcenter 3D binaural headset to a V8-E input module. If used in conjunction with a SCADAS Recorder the same cables allows to replay via the DAC.



- SCx-ABH04-B adapter cable to VB8-II (LEMO to LEMO-0B): This adapter allows to connect the Simcenter 3D binaural headset to a VB8-II input module. If used in conjunction with a SCADAS Recorder the same cables allows to replay via the DAC.

- SCx-ABH04-C adapter cable for audio jack: This adapter connect the Simcenter 3D headset binaural headset to the audio card of a computer for replay purpose.



Sound Calibrator for Simcenter SCADAS 3D Binaural Headset

- 42AB-S1 Optional reference microphone with 250 Hz \pm 0.2 dB sound pressure level. This special reference microphone is extremely stable and independent of variations in barometric pressure, temperature, and humidity.





When installed in SCM//SCL/SCR/SCD platforms, This hardware is in conformity with the provisions of EU Directives 1999/5/EC, 2006/95/EC, 2004/108/EC and 2011/65/EU.

"ABH04 is manufactured by Siemens Industry Software B.V., Het Zuiderkruis 63, 5215 MV, 's Hertogenbosch, The Netherlands, on behalf of the intellectual property owner Siemens Industry Software NV, Interleuvenlaan 68, 3001 Leuven, Belgium."

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