

The best performance ... at the lowest price!



PRO-SQ/ICP® combines the best-in class quality **Head and Torso Simulator**, the powerful NetdB platform and a bundle of analysis functions for binaural recording and objective evaluation of sound quality.

PRO-SQ/ICP® offers:

- Full compliance with **standards** ensuring measurement reproducibility and playback realism
- Unique performance of the **NetdB** platform (autonomy, processing power and storage capabilities)
- **dBSONIC** intuitive psychoacoustic software and its most advance calculation capabilities

PRO-SQ/ICP®

Simple and intuitive...



WiFi™



01dB new ICP® HATS, the fully compliant device

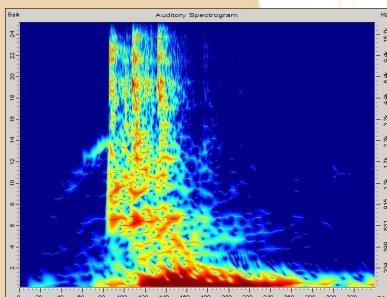
- ▶ **Full compliance** with **IEC60959** for pinna, head and torso geometry, including microphone position in the ear canal
- ▶ **Compliance** for **ICP built-in Class1** microphone
- ▶ **Compliant** with **ITU-T P57 (type 3)** or **IEC6711** if equipped with the ear impedance adaptor (option)

NetdB, the autonomous and powerful acquisition platform

- ▶ **Autonomy:** Recording piloted with a Pocket PC, operated from internal Batteries or car 12VDC
- ▶ **Data storage:** Up to 85 GB of data storage on NetdB internal HDD
- ▶ **Embedded processing:** Built-in real-time equalizations (Free Field, Diffuse Field, User, Headphone) and playback

dBSONIC, for the objective evaluation of sound perception


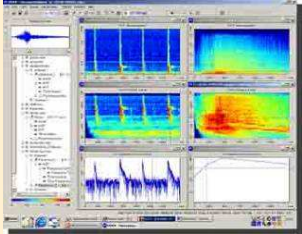
- ▶ **Psychoacoustic analysis:** Loudness ISO532B, non-stationary Loudness, Sharpness, Fluctuation Strength, Roughness, Tonality
- ▶ **Intelligibility:** Articulation index, Speech intelligibility index
- ▶ **Advanced analysis:** Wavelets, Modulation Analysis
- ▶ **Advanced real-time Filtering:** HP, LP, BP, Notch, 1/n analysis with Digital Filters
- ▶ **Auditory spectrograms,** contour edition (*Gestalt interpretation*), time-frequency edition, sound re-synthesis etc



Enhance your know-how in:

- ▶ Sound Quality Control & Diagnosis
- ▶ Transient Analysis
- ▶ Noise control simulation
- ▶ Noisiness evaluation
- ▶ Psychoacoustics,
- ▶ Loudness and related topics



Features	PRO-SQ/ICP®
<p>HATS</p> <p>Color: Dimensions: Weight: Material: Ears: Directivity: Output: Heating voltage: Freq. range free-field: Sensitivity: Max. SPL for THD < 3 % at 1 kHz:</p>	<ul style="list-style-type: none"> ▶ Gray ▶ 520 x 430 x 240 mm (W x H x D) ▶ 14 lbs (7 kg) ▶ Polyurethane with Nextel coating ▶ IEC60959 compliant, soft silicone, easy removable for calibration ▶ Compliant with IEC60959 & DIN V 456082 ▶ Analog outputs (Left & right ears) ▶ +12 VDC ▶ 3,5 Hz to 16 kHz (± 3 dB) ▶ 50 mV/Pa ▶ 146 dB 
<p>NetdB platform</p> <p>Dimensions: Weight: Input channels: Input range: Digitization: Sampling frequency: SNR: Signal Output: Phones: Digital Input/output: Power consumption: Voltage/current: Battery: Battery life: Adapter: Storage:</p>	<ul style="list-style-type: none"> ▶ 250 x 85 x 263 mm (W x H x D) excluding projections ▶ 4.5 kg ▶ 2 channels with IEPE power supply (up to 12 physical dynamic channels available as an option) ▶ 10V rms (-15V to +15V), 1V rms (-1.5V to +1.5V), 100mV rms (-150mV to +150mV) ▶ 24 bits resolution ▶ 51200 Hz ▶ 105 dB ▶ 2 x BNC connectors ▶ Jack connector - Stereo output for Headphones ▶ RCA connector for SPDIF In/Out ▶ 20W ▶ 12V to 14 VDC / 3.5A (max) ▶ Internal NiMH 4000mAH ▶ 2h, 12 channels at the highest sampling frequency ▶ AC 110 V / 250 V ▶ 85 GB of data (HDD) 
<p>Pocket PC remote control</p> <p>Communication with NetdB: Capabilities:</p>	<ul style="list-style-type: none"> ▶ LAN or WLAN (wireless) ▶ Definition of measurement configurations (number and type of sensors), range definition, calibration, Acquisition, recording, playback directly on the NetdB ▶ Real time equalization (Free field, diffuse field, user, headphone), ▶ 80 hours of data storage with 1 HATS – 2 channels
<p>Sound Quality software</p> <p>dBSONIC BA: dBSONIC PSY: dBSONIC DIF: dBSONIC DOC: dBSONIC MAT: dBSONIC RPM (option): dBSONIC ED (option): dBSONIC FX (option): dBSONIC PX (option):</p>	<ul style="list-style-type: none"> ▶ Basic Module & Frequency Analysis - Sound signal playback, SPL, Third-octave and FFT analysis - Tonalness (Prominence ratio and Tone-to Noise), Basic editing and filtering functions – Project Management, import function for 01dB-Metravib, Head Acoustics and Oros sound files ▶ Psychoacoustic Analysis - Calculation of Loudness, Sharpness, Roughness and Fluctuation Strength, Articulation Index, Speech Intelligibility Index ▶ Spectrogram difference ▶ Documentation Module - The tool for comparing time histories and spectra - Multi scalar display and Multi spectra display - Report Wizard, Percentile calculation ▶ MATLAB™ tool for data edition ▶ RPM analysis, Order analysis ▶ Signal edition, online and offline filtering capabilities, built up of equalization curves ▶ Advanced frequency analysis – Modulation analysis, wavelet analysis ▶ Auditory spectrogram, contours (Gestalt interpretation), sound re-synthesis

The presented characteristics are subject to change without notice. Rev:07/2008

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