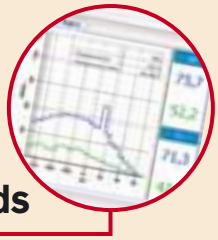
NetdB™ dBPower

Product Data

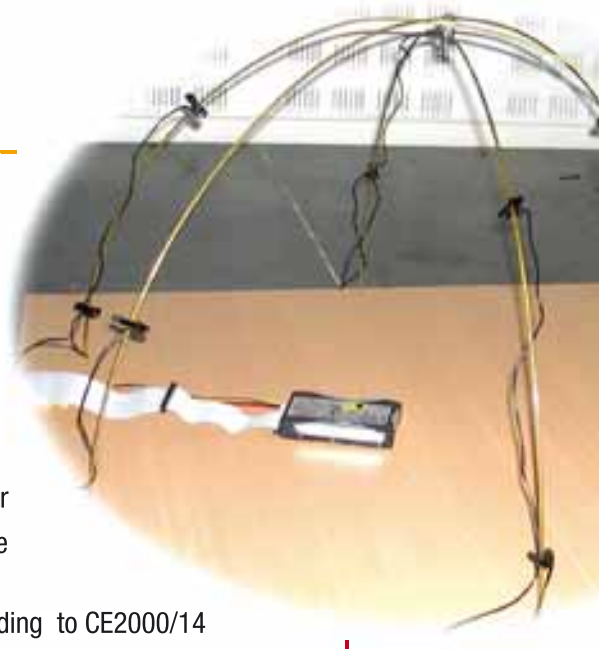
Sound Power

Easy Product Checking vs. Standards



How to make an easy job of sound power measurement according to numerous standards?
Take the benefits of **01dB-Metravib** new SoundPower software package!

- User oriented Graphical Interface
- High measurement/calculation capabilities in a few clicks
- Remote control operations most relevant for very low noise measurement conditions

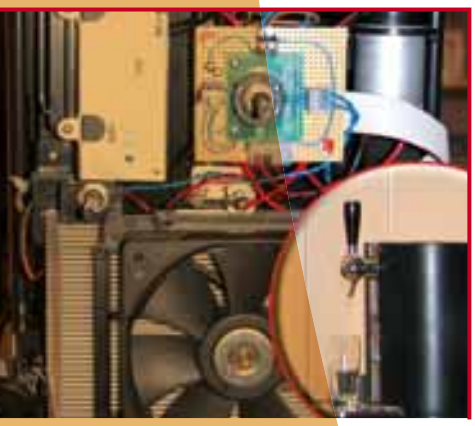


dBPower

Key Features...

A large set of sound power standards

- Sound power can be measured in different conditions: reverberant rooms, anechoic or semi-anechoic chambers and outdoor
- **dBPower** complies with the complete set of ISO374X standards
- Moving sources are processed according to CE2000/14
- Tonality and impulsiveness are estimated following the ISO7779 and ECMA074 standards



A "ready to operate" system without specific expertise

- Predefined measurement configurations for each standard
- Number of microphones, meshing, extra-sensors for tonality,...
- No need to read the full documentation to launch the first test
- Sensors distribution automatically managed during the acquisition

A complete set of tools for data management and reporting

- Data storage in a specific Data base
- Data Reloading and editing at any time
- All data: sound pressure, background, power levels possibly exported in HTLM format
- Word report and certification label document

01dB-Metravib
www.01db-metravib.com

AREVA

dBPower Technical Specifications

Features	dBPower
Fit to ISO, CE, ECMA standards	◗ ISO3741 for reverberant rooms ◗ ISO3743, ISO3744, ISO3745 for semi-anechoic and anechoic rooms ◗ CE2000/14 for pass-by power in outdoor conditions ◗ ISO7779 for tone and impulse detection ◗ ECMA074 for tone detection
Powerful and easy to use	◗ Wizard for a fast definition of the tests configuration ◗ Automatic and specific meshing ◗ Use of customized reverberation laws ◗ Possibility to create sequence of measurement ◗ Possibility to apply weighting coefficients on each sequence ◗ Switch between the tests results for easy comparisons
Data acquisition	◗ Acquisition from sound cards, Symphonie, Harmonie, Orchestra, NetdB ◗ Calibration (manual and automatic modes) ◗ Dynamic range control
Database & Export capabilities	◗ Creation of a tests database ◗ Background, SPL, Power level exportation in HTML format ◗ Curves copy/paste ◗ Word Label for certification ◗ Word Report: information on test conditions, measured values of pressure (SPL, background noise) and power level
Data edition & Reporting	◗ SPL on each microphone (global LIN & A, versus frequency) ◗ Average SPL (global LIN & A, versus frequency) ◗ Δ Level between the SPL and the background noise (global LIN & A, versus frequency) ◗ Sound power (global LIN & A, versus frequency) ◗ 1/3 octave and narrow band spectra
Graphics	◗ Curves versus frequency ◗ Global values (LIN, A) ◗ Cursor ◗ Curves superimposition

PRODUCT REQUIREMENTS

Recommended PC: Minimum configuration with Pentium IV™ (2.4 GHz) or Centrino™ (1.6 GHz) with 512MB RAM, 40GB HDD; XVGA display; OS Win 2000 SP4 or Win XP SP1

01dB-Metravib
200, Chemin des Ormeaux
F-69578 Limonest Cedex
Tel.: +33 (0)4 72 52 48 00
Fax.: +33 (0)4 72 52 47 47
industries@01db-metravib.com
www.01db-metravib.com

Your local contact point :