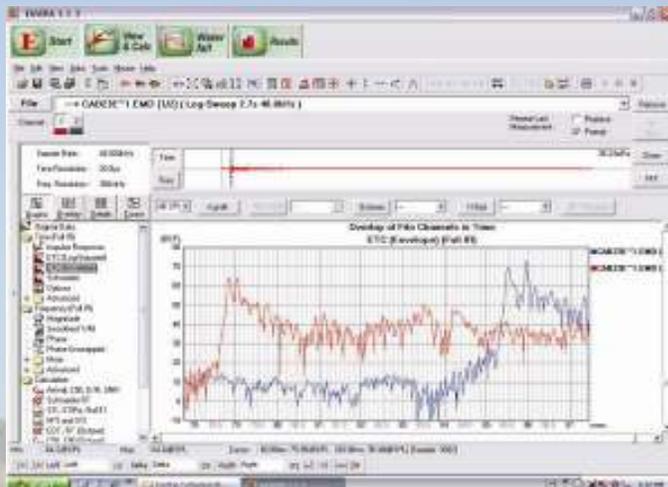


Acoustical Testing

Measurement & Analysis Services



RIEDEL offers technical consultation and services in the matter of acoustical testing. Our expert staff and state-of-the-art equipment ensure the highest standard of precision and integrity. Tests are performed according to applicable ISO standards and are considered valid for expert testimony in a court of law. This objective, quantifiable data is useful in achieving an understanding of current acoustical conditions, evaluating product performance, or mediating noise complaints.

We have decades of experience in a variety of aspects of acoustical testing. These include Room Acoustics, Environmental Noise, Sound Transmission, and System Analysis. If it's sound, we can measure it.

In preparing our report documents, we take extra care to present complex scientific ideas in clear, practical terms. We are here to help.

Expert Measurement of:

- Environmental Noise Levels (NC, RC, Decibels, etc.)
- Reverberation Time (RT60, T30)
- Speech Intelligibility Levels
- Sound Insulation from Airborne Noise
- Sound Insulation from Impact Noise
- Noise Emitted by Vehicles / Machinery
- Sound System Performance
- Field Effectiveness of Absorption Products and Barrier Materials



Scott R. Riedel & Associates, Ltd.

819 N. Cass St.

Milwaukee, WI 53202-3908

Phone: (414) 771-8966 Fax: (414) 771-0138

Web: www.riedelassociates.com

Email: consult@riedelassociates.com

RIEDEL
hear the difference.

Acoustical Testing

Equipment List

Full TDS Measurement System

Microphones:

- 2 Brüel & Kjær Type 4003 Omni-directional Microphones
- Brüel & Kjær Type 2812 Two Channel Microphone Power Supply

Audio Interface:

- Presonus Easera Gateway

Testing & Analysis Software:

- Renkus-Heinz EASERA Version 1.1.3 (Electronic & Acoustic System Evaluation & Response Analysis)

Loudspeakers:

- 2 RCF ART 310A Powered 2-way Loudspeakers
- 1 RCF ART 705AS Powered Subwoofer

Cabling:

- Belden CDT AES/EBU Certified 24awg Single Pair Cable
- Neutrik Gold Plated Connectors: NC3FX-B, NC3MX-B, NP3X-B

Computer:

- Dell Latitude D420 Laptop Computer with Windows XP Pro

Type I Sound Level Meter:

- Quest Type I Model 1900 Precision Integrating/Logging Sound Level Meter
- Quest QC-20 Calibrator

Ultra-Portable Type-II Testing:

- Ivie IE-35 Handheld Audio Analysis System

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