



ANG-2200

ACOUSTIC NOISE GENERATOR

Protect your privacy...

Protect proprietary or sensitive conversations against eavesdropping threats from perimeter contact microphones and reflected laser listening devices.

ANG-2200 Features

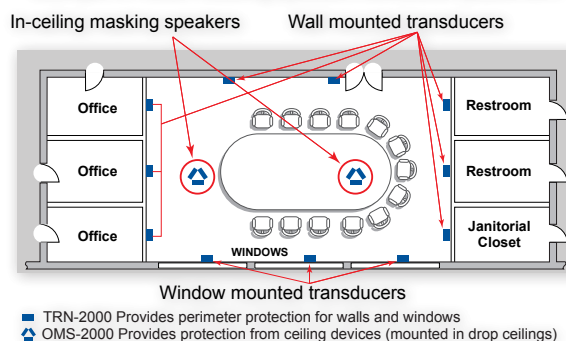
The ANG-2200 injects tuned masking noise into perimeter structures to mask structure-bound audio. Acoustic Spectrum Analysis Software (ASA-2000) ensures the masking noise is properly adjusted to provide adequate masking without being too loud or disruptive.

- True random noise source with no statistical repeatability
- Independently controlled dual channels for use on different structures
- "Tunable" masking noise for specific environmental requirements
- Provides an eavesdropping defense against devices that may not be detected by conventional methods

System configuration should be tailored to the environment.

REI recommends one transducer every eight linear feet (2.4m).

Example of noise masking speaker/transducer placement

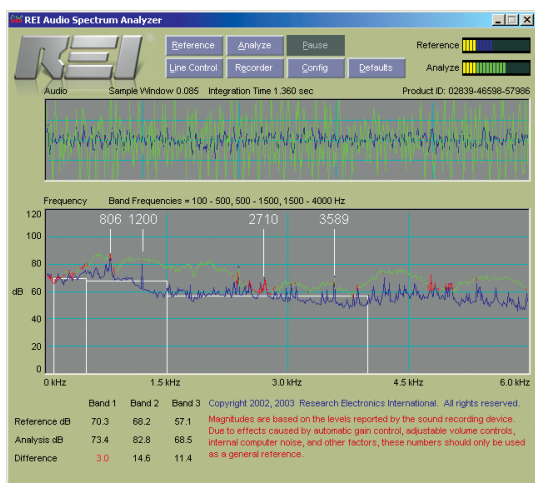


ANG-2200 Accessories (sold individually)

TRN-2000 Transducer injects acoustic noise into walls, ceilings, windows, plumbing, air ducts, and other vulnerable structures.

OMS-2000 Omni Directional Speaker projects masking noise into drop ceiling air spaces, closets, crawl spaces, and other vulnerable air spaces.

NOTE: Speaker wire not included, common 18 gauge speaker wire is recommended.



ASA-2000 Acoustic Spectrum Analysis Software

Allows the user to evaluate structure-bound audio leakage for analysis and proper adjustment of the ANG-2200 to provide adequate masking without being too loud and/or disruptive.

Acoustic Leakage Probe included with ASA-2000 Software



ANG-2200 Technical Specifications

ANG-2200 Acoustic Noise Generator

Size: 1 5/8 in x 4 3/16 in x 7 in (4.1 cm x 10.6 cm x 17.8 cm)

Weight: 2.0 lbs (930 g)

Each Channel:

Independent Random Noise Source

Output voltage: 10 Vp-p @ 6 Ω (2 Ω min load)

Frequency range: 125 Hz to 5.6 kHz

Equalizer: LF 180 Hz \pm 12 dB, HF 3 kHz \pm 12 dB

Power: 15 VDC @ 1 A (AC adaptor supplied for 120 or 240 VAC)



Front Controls (Dual Channel)



Back Connections

Accessory Specifications

TRN-2000 Transducer

With wall mounting and connecting hardware

Size: 3 in x 1 1/4 in (7.6 cm x 3.1 cm)

Weight: 1.0 lbs (454 g)

Impedance: 6 Ω

Max Transducers per Channel:

3 @ full level (parallel)

12 @ 1/2 level (six groups of two)

27 @ 1/3 level (six groups of three)



WMT-2000 Transducer Window Mount



OMS-2000 Omni Directional Speaker

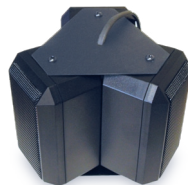
Size: 5 in x 5 3/4 in (12.7 cm x 14.6 cm)

Weight: 2.0 lbs (907 g)

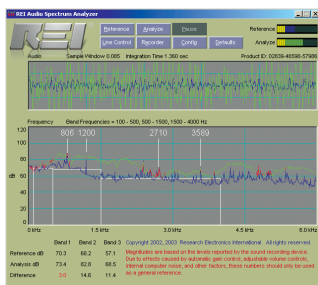
Impedance: 24 Ω

Max Speakers per Channel:

12 @ full level



ASA-2000 Acoustic Spectrum Analysis Software



Allows the user to evaluate structure-bound audio leakage for analysis and proper adjustment of the ANG-2200 to provide adequate masking without being too loud and/or disruptive.

Acoustic Leakage Probe

Frequency Response: 50 Hz to 10 kHz (Surface Dependant)

FET Preamp Bias: 3 to 9 VDC

Sensitivity: Optimized for voice use/low noise high output element

Impedance: 2 k Ω



Optional Rapid Deployment Kit

This all-in-one ANG-2200 Rapid Deployment Kit provides the tools and accessories to rapidly deploy a complete ANG System in a medium sized conference room. Included in the kit:

ANG-2200 (2)

TRN-2000 (24)

ASA-2000 Acoustic Spectrum Analysis software cd (1)

Omni masking speakers (2)

Transducer window mounts (24)

Multi-meter with cables (1)

Wire stripper (1)

Screwdriver (1)

Needle nose pliers (1)

1/4" socket bit

2 Spools 500 ft (152 m) wire

Portable case with casters

Weight Packed: 75 lbs (34 kg)

Exterior Dimensions:

(LxWxD) 25 in x 20 in x 12 in (63 cm x 50 cm x 30.2 cm)



Optional Rack Mount System



Optional Rack Mount System available for secure centralized control of multiple Acoustic Noise Generators.

* Product specifications and descriptions subject to change without notice.