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For Immediate Release

**GRAS Sound & Vibration Announces Launch of New, High Resolution Ear Simulator
for Reliable Measurements of Headphones and Earphones up to 20 kHz**

Twinsburg, OH- GRAS Sound & Vibration, a world-renowned manufacturer of high quality measurement microphones and related acoustic equipment, announces the availability of a new, High Resolution Ear Simulator designed specifically to meet the need for reliable and repeatable measurements of personal audio devices at high frequencies. The High Resolution Ear Simulator is precise, consistent and allows you to measure with confidence.

A unique feature is a special dampening system that extends its useful frequency range to 20 kHz. This has significant advantages when measuring sophisticated earphones and headphones and technologically advanced, wide-band hearing aids. Now, for the first time it is possible to obtain accurate, reliable and repeatable measurements above 10 kHz.

Outstanding benefits include:

- Improved repeatability above 10 kHz
- Measurements below and above 10 kHz in the same measurement setup
- The dampened resonance means better distortion measurements, even from as low as 3-5 kHz
- Minimized operator error and improved accuracy
- Full backwards compatible with standard IEC 60318-4 (711) ear simulator

The new High Resolution Ear Simulator is available in two versions: The **GRAS RA0401 Externally Polarized** and the **GRAS RA0402 Prepolarized** and is available on multiple test platforms for R&D, production testing and verification.

According to Senior Product Manager Jan Hansen from GRAS, the High Resolution Ear Simulator has clear benefits when testing sophisticated products such as headphones. "They demand testing microphones that can measure what the human ear can hear – and that's what they get with the new high resolution ear simulator," he says. "Measurements can now be carried out below and above 10 kHz in the same measurement setup, at the drum reference point and with the same acoustical loading of the transducer under test. This makes tests of headphones and the like much easier and with improved repeatability."

About GRAS Sound & Vibration

GRAS is dedicated to helping its customers find the best possible solutions for sound & vibration measurement. With more than 20 years of experience in designing and manufacturing testing microphones and related acoustic equipment, they are ready to guide customers to find the best possible solution for their measurement needs.

For more information, contact Ed Okorn, General Manager, North America, GRAS Sound & Vibration at 330.425.1201 or visit www.gras.us.