

## PRESS RELEASE

### **GRAS Launches Four New Headphone Testing Configurations**

*The 45CC platform is the only affordable desktop solution on the market that includes high-frequency ear simulators and anthropometric pinnae*

**HOLTE, DENMARK, 30 March 2022:** Adding to its long legacy of innovation in acoustic sensors and test fixtures, [GRAS Sound & Vibration](#), part of Axiometrix Solutions, is today releasing four new configurations to the [45CC](#) test fixture series, which are ideal for Research and Development (R&D) and for aligning testing on the Production Line.

With these new configurations, GRAS offers 10 variations that target different testing needs and are configurable for any headphone test setup and test environment, with a mouth simulator option for all of them. Building on the malleability of the existing configurations, the new 45CC versions maintain the ease of use, and add the possibility for more realistic testing that enables R&D and Production Engineers to benchmark and align tests across the entire production line.

The new 45CC products (45CC-14, 45CC-15, 45CC-16 and 45CC-17) enable headphone and headset manufacturers to obtain accurate, repeatable and reproducible test results, dual-channel testing, and multiple configuration options.

The new product configurations comprise:

- 45CC-14 — Which includes externally polarized IEC 60318-4 ear simulators and anthropometric pinnae
- 45CC-15 — Which includes prepolarized IEC 60318-4 ear simulators and anthropometric pinnae
- 45CC-16 — Which includes externally polarized IEC 60318-4 high-frequency ear simulators and anthropometric pinnae
- 45CC-17 — Which includes prepolarized IEC 60318-4 high-frequency ear simulators and anthropometric pinnae

*“There has long been a need for better alignment of tests across R&D and Production”, said Niels Kjærgaard, VP of Business Development at GRAS Sound & Vibration. “The 45CC platform already has a solid footprint in the testing market and we are responding to a rising demand from leading headphone and headset manufacturers to offer a versatile test fixture, which in an easy and inexpensive way, allows R&D and production engineers to develop the design of tests, and to validate and align these tests in the production line setting.”*

The four new versions are ideal for test scenarios that require or benefit from realistic human-like acoustic loading and ear geometry when testing any headphone or earphone type (around ear, on ear, in ear, and insert). The 45CC-16 and 45CC-17 are designed for test scenarios up to 20 kHz.

All 45CC test fixture variants are easy to use and offer an efficient and inexpensive testing solution. Coupled with the latest configurations, GRAS offers the only affordable desktop solution in the market that includes high-frequency ear simulators and anthropometric pinnae.

Production of the new 45CC variants is underway and orders can be placed now with GRAS’ standard delivery of 6 weeks. For more information, please visit [GRASacoustics.com/45CC](https://www.GRASacoustics.com/45CC).

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#### **ABOUT GRAS SOUND & VIBRATION:**

GRAS is a worldwide leader in the sound and vibration industry. We develop and manufacture state-of-the-art measurement microphones and related equipment for industries where acoustic measuring accuracy and repeatability are of the utmost importance. This includes applications and solutions for customers within the fields of aerospace, automotive, audiology, consumer electronics and other highly demanding industries. GRAS microphones are designed to live up to the high quality, durability and accuracy that our customers have come to expect, trust and require.

GRAS Sound & Vibration is represented through subsidiaries and distributors in more than 40 countries and is part of Axiometrix Solutions, a leading test solutions provider comprised of globally recognized measurement brands.

Read more at [www.GRASacoustics.com](https://www.GRASacoustics.com)