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PRESS RELEASE

GRAS Sound & Vibration Launches SysCheck2™ The First Intelligent Acoustic Sensor System with Built-in Self-verification

HOLTE, DENMARK, 30 November 2021: GRAS Sound & Vibration, part of Axiometrix Solutions, is today releasing two new microphones with SysCheck2™ functionality allowing for remote-controlled health check of an entire measurement chain: The **GRAS 246AE ½" CCP Free-field Standard SysCheck2™ Microphone Set**, and the **GRAS 246AO ½" CCP Pressure Standard SysCheck2™ Microphone Set**.

[SysCheck2™](#) is a GRAS-patented technology for verifying measurement chain integrity. It is a tool that allows remote, rapid health check on microphones, channel gain and cable integrity, which enables users to quickly validate their calibration with a single click and no physical interaction. SysCheck2™ is easy to set up with standard cables making it adaptable for any test setup.

The verifications are made on each SysCheck2-enabled microphone connected to a CCP power module with transducer electronic data sheet (TEDS) support and measurement software with a single click. It also provides on-demand environmental data: Temperature, barometric pressure and humidity.

SysCheck2™ functionality adds value to production line setups, where it will help reduce downtime as well as increase efficiency and data reliability. It is essential for test setups when microphones are placed in dangerous or hard-to-reach locations as well as for distributed measurement setups where many microphones need to be validated in a short period of time.

Integrated with Audio Precision APx500 Release v7.0

Users of Audio Precision APx analyzers who want an integrated solution that is easy to set up and provides end-to-end self-verification will benefit from SysCheck2™ seamless integration to Audio Precision's analyzers for a plug-and-play solution.

In the first collaborative effort by the GRAS and Audio Precision engineering teams, full SysCheck2™ functionality is ready for use out of the box when connected to [APx500 release v7.0 Measurement Software](#) with GRAS [12BA](#), [12BB](#) or [12BE](#) power modules and an [Audio Precision APx series analyzer](#), or with an [Audio Precision APx series analyzer](#) with CCP and TEDS read/write capability.

Integrated with Siemens Simcenter

Siemens Simcenter Testlab Signature Acquisition has integrated SysCheck2™ for use with the GRAS 246AE microphone and developed a dedicated remote-check procedure, allowing it to smoothly check the validity of a calibration previously performed in the field.

Full Functionality with Other Software Platforms

GRAS also offers full functionality by way of providing a software development kit (SDK). This makes all features easily accessible with a suitable CCP-based power module, analyzer and data acquisition system, depending on your software platform.

Two Microphone Sets Available with SysCheck2™ Functionality

GRAS is releasing two microphone sets with SysCheck2™: GRAS 246AE for general use and GRAS 246AO for audiology. Both are ½" CCP microphone sets, which are improved versions of GRAS 46AE and GRAS 46AO – with the added SysCheck2™ functionality. GRAS 246AE and GRAS 246AO can both be accessed with many data acquisition systems and offer seamless plug-and-play operation with Audio Precision's APx data acquisition and Siemens Simcenter Testlab software.

GRAS 246AE with SysCheck2™ is a ½" free-field microphone set and, as such, is optimized for all acoustic applications where the location of the main sound source is known, and the microphone can be pointed directly at it ensuring 0° incidence. It is ideal for general acoustic testing and conforms to IEC 61094 WS2F and IEC 61672 Class 1.

GRAS 246AO with SysCheck2™ is a ½" high-precision pressure microphone suitable for laboratory work and ideal for production line testing in coupler setups for test of hearing aids, earphones, headphones and headsets. It conforms to IEC 63181.

According to Rémi Guastavino, Director of Product Management at GRAS Sound & Vibration, "GRAS is dedicated to remaining the leading innovator of acoustic sensors. By releasing this first intelligent acoustic sensor system, we are demonstrating our commitment. When combining our SysCheck2-enabled microphone systems with Audio Precision and Siemens platforms, we are effectively removing obstacles for customers who need easy, fast and accurate tests".

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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