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PRESS RELEASE

GRAS Releases New Microphones with EQset™

Optimizing Production Line Testing with Superior Accuracy, Minimal Downtime, and Cost Efficiency

HOLTE, DENMARK, February 18, 2025 - GRAS Sound & Vibration, a brand of Axiometrix Solutions, a global leader in test and measurement, is proud to announce the release of GRAS 40PO-L and 40PO-H microphones with EQset™ technology. These new production line microphones enable consistent and reliable audio testing for smart devices, ensuring high-quality results across different locations.

With a frequency response of up to 40 kHz —suitable for High-Res compliance and ultrasonic applications —, and a new capsule design, these microphones deliver improved accuracy in test results. These advancements will elevate audio quality in global manufacturing, making product consistency and adherence to both industry standards and customer-specific requirements, indispensable for maintaining trust, consistency, and profitability between audio brands and manufacturers.

GRAS EQset™ technology ensures consistent audio quality

GRAS' EQset™ technology helps manufacturers to achieve high quality and test regime compliance to build trust with audio brands and grow business. Thanks to built-in digital signal processing, each EQset™ microphone has the same fixed sensitivity and flat frequency response across all frequencies, making it insensitive to environmental factors and providing consistent results across different locations.

It also reduces errors and simplifies calibration processes to ensure compliance or product specifications. Additionally, using EQset™ microphones allows for seamless replacement without signal chain adjustments, ensuring production lines run smoothly and on schedule with no downtime. GRAS EQset™ microphones are therefore a cost-effective testing solution that reduces production costs without compromising quality or compliance with product specifications.

The First Production Line Microphones Supporting Ultrasound Measurements

The new GRAS 40PO-L and 40PO-H represent a groundbreaking addition to the GRAS EQset™ production line microphones portfolio. While the 40PO-L microphone is designed for low sound pressure level measurements, the GRAS 40PO-H microphone can be used for measuring higher sound pressure levels. Specifically, the dynamic range of GRAS 40PO-L goes from 30 dBA and up to 128 dBpk, while the GRAS 40PO-H ranges from 36 dBA to 138 dBpk. The two new microphones are TEDs compliant which is a first in EQset™ microphones.

The ultrasonic capabilities of these new microphones make them great for Hi-Res audio testing, harmonic and intermodulation distortion tests, and high-frequency drivers. They can also test ultrasonic noise interference measurements, and smart device ultrasonic applications such as presence, motion, and distance detection.

Santiago Rayes, GRAS Product Manager, says

"Back in 2023, we introduced the groundbreaking EQset™ technology to the world. With GRAS's commitment to constant innovation, improvement, and a drive to always be at the forefront of test and measurement microphone technology, the release of our two new microphones, the GRAS 40PO-L and 40PO-H, was a natural progression. Once again, we demonstrate our dedication to seeking new, cost-efficient, and highly accurate testing solutions, breaking the mold of what anyone thought possible for this type of sensor. The 40PO-L and 40PO-H bridge the gap between cost-effective production line microphones and the classic measurement microphones we all know."

More information about the GRAS EQset™ microphones can be found here

<https://www.grasacoustics.com/eqset>

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, including Audio Precision, and imc test and measurement.

Read more at www.GRASacoustics.com