

PRESS RELEASE

New ground-breaking microphone technology from GRAS

New EQset™ technology: A flat response curve and uniform fixed gain out of the box translate into cost efficiency, ease of use, and vastly reduced risk of measurement error.

HOLTE, DENMARK, 31 Jan 2023: [GRAS Sound & Vibration](#), part of Axiometrix Solutions, a global leader in test and measurement solutions, is today introducing a new technology aimed at increasing efficiency and improving test accuracy in the consumer audio and telecom space.

The new GRAS EQset™ Microphone technology is a first in the microphone industry. EQset is a revolutionary new advancement that guarantees **fixed sensitivity and a flat response curve across all frequencies** in every EQset-enabled microphone—essentially an equalized microphone all set and ready to go out of the box.

The consistency of EQset fixed sensitivity and flat curve reduces measurement uncertainty and greatly simplifies microphone setup, monitoring, replacement, and corrections. This means everything can happen quickly and easily without any individual microphone adjustments or corrections. The simplification of setup and other tasks saves time, both in the setup itself and operator training time. There is, however one additional benefit that outshines the time savings: EQset all but eliminates the inherent risk of false passes on production lines or correction error for frequencies outside the calibrated frequency in R&D—common issues with other microphones in the market.

Another benefit of the uniformly fixed sensitivity and flat response curve of each EQset microphone is that because there is no need to make individual corrections for each microphone, there is, therefore, no need to store that correction information on the microphones via TEDS. This enables EQset microphones to be used effectively with systems based on audio sound cards using 48 V phantom power as well as any CCP-based system already in use, so there is no need for price-prohibitive new equipment or retooling of existing CCP-based systems.

In summary, upcoming microphone lines with EQset technology will provide highly accurate, price-competitive, user-friendly solutions that allow users to perform acoustic measurements without the normal hassles of lengthy setup time, downtime, replacement, or correction, while at the same time minimizing measurement error better than any other microphone on the market.

According to Rémi Guastavino, Director of Product Management at GRAS Sound & Vibration: “By introducing EQset technology, we are proving our commitment to constantly seek new, cost-efficient and

highly accurate testing solutions across the world. Innovation is at our heart and EQset is only our latest step—the market can expect more to come from GRAS in the near future.”

EQset has already had overwhelming feedback after presentations to many acoustic and production experts in selected industries.

GRASacoustics.com/EQSET.

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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, including Audio Precision, and imc test and measurement.

Read more at www.GRASacoustics.com