

G.R.A.S. RELEASES NEW PORTABLE, EASY TO USE SOUND CALIBRATOR

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Developed as an improved replacement for the successful 42AB Sound Calibrator, the new G.R.A.S. **42AG Multifunction Sound Calibrator** is designed for fast verification of microphones and sound level meters in the field.

42AG comes with new multifunctional features

Whereas 42AB produces a constant nominal sound pressure level of 114 dB at 1 kHz the new 42AG can calibrate at two frequencies, 250 Hz or 1 kHz and at two levels, 94 dB or 114 dB. This makes it well suited for calibration of sound level meters, which normally are calibrated at 1 kHz, and for calibration of microphones, which normally are calibrated at 250 Hz. In addition, 42AG can calibrate at two different sound pressure levels. A normal level of 114 dB, which is a sound pressure level suitable for microphones with medium sensitivity. The low level of 94 dB makes it possible to calibrate high-sensitivity microphones, like low-noise microphones, without overload.

Other benefits include:

- Portable, battery powered and designed specifically for in-the-field use
- Easy-to-use OLED Display
- For documentation purposes, 42AG provides display of the environmental conditions: ambient air pressure, temperature.
- Functional and practical all-in-box solution
- Proven stability
- Time-saving and cost effective

Portable and user friendly calibrator

According to Product Manager Jan Hansen, from G.R.A.S., the 42AG is the perfect upgrade from existing calibrators.

“42AG represents new improved functionality and ease of use. There is a real need for portable and user friendly calibrator that can be used for testing in multiple situations. The combination of portability, automatic level adjustment and two calibration frequencies and levels makes it a complete, reliable and self-sufficient solution that can be used to perform complete field-verifications without the need for other instrumentation, e.g. for recording ambient calibration conditions.”

The calibration level, frequency and environmental parameters are displayed on a high contrast OLED display. A push on the dB button toggles between 94 and 114 dB. Likewise, a push on the Hz button toggles between 1000 and 250 Hz. The °C/°F button displays the ambient pressure, temperature and humidity.

The calibrator has been designed to serve 1” and smaller microphones and sound level meters equipped with these microphones. 1” microphones fit directly in the calibrator coupler, while 1/2”, 1/4” and 1/8” microphones are served by application of adapters that are part of the delivery.

June 1st 2017

The 42AG conforms to the standard IEC 60942 for a Class 1 sound calibrator and is available for sale from June 1st.

At G.R.A.S. we are dedicated to help our customers find the best possible solutions. With more than 20 years of experience of testing microphones and related acoustic equipment, we are ready to guide you and together we will find the best possible solution for your demand.

For further information please contact us at gras@gras.dk or visit our website www.gras.dk