

# GRAS 42AG

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Sound pressure level: 94 dB or 114 dB  
Frequency: 250 Hz or 1 kHz  
ANSI: S1.40  
IEC: 60942 class 1

GRAS 42AG  
1/4 1/8

1 1/2

GRAS 42AG IEC  
60942 1

250 Hz 1 kHz 94 dB 114 dB 42AG

1" 1" 1/2" 1/4" 1/8"

LR03 AAA



42AG

42AG

250 Hz 1 kHz 250 Hz 1 kHz

42AG 94 dB 114 dB 114 dB 94 dB



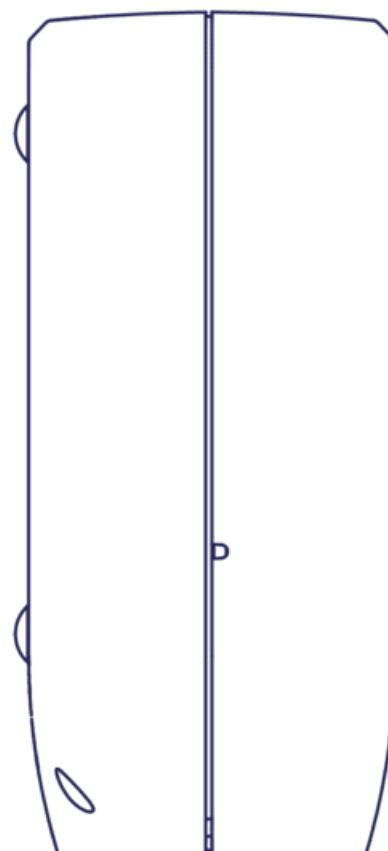
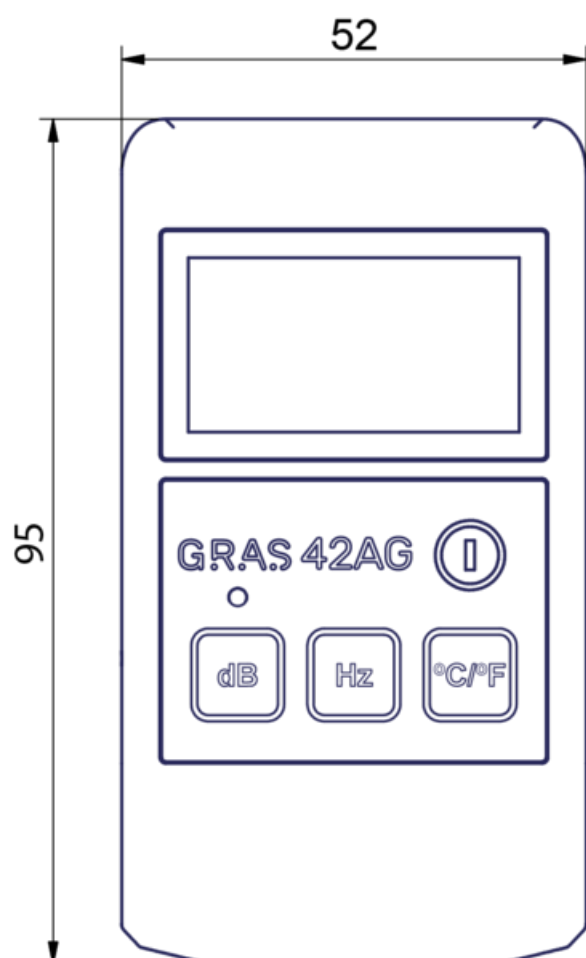
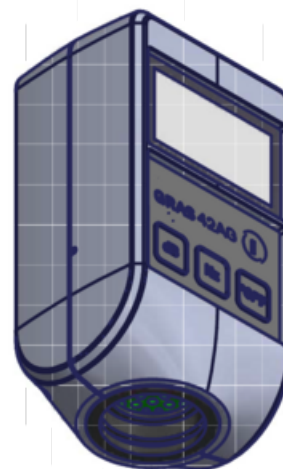
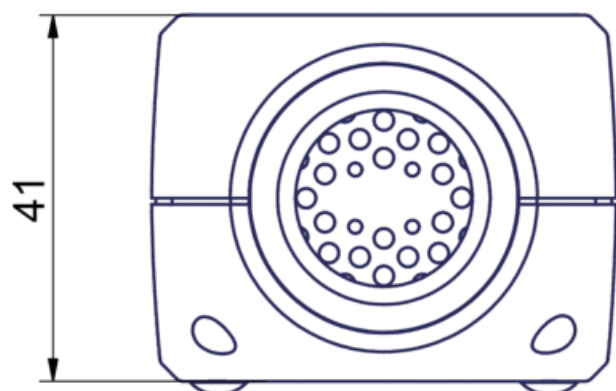
42AG 5

Frequency	Hz	250 (251.19 ± 0.30 Hz) or 1 kHz (1000 ± 1 Hz)
Sound pressure level	dB	94 (± 0.2 dB) or 114 (± 0.2 dB)
ANSI standard		S1.40 (2006)
IEC standard		60942 (2017)
Microphone size		1", 1/2", 1/4" and 1/8"
Distortion		Max 2%
Stabilizing time		20 seconds
Sensitivity to environmental conditions		As specified for IEC 60942 class 1 / ANSI S1.40
Temperature range, operation	°C / °F	-10 to +50/14 to 122
Relative humidity, operation		25% to 90%
Air pressure, operation		65 kPa to 108 kPa
Display type and resolution		Mono-colour OLED graphical display – 128×64 (W×H)
Temperature range		-10°C to +50°C or 14°F to 122°F
Resolution / Accuracy		0.1°C / ±2°C or 0.1°F / ±2°F
Atmospheric pressure		65 kPa to 108 kPa; Resolution 0.1kPa; Accuracy ±0.4 kPa, (for temperature above 0°C)
Relative humidity		0% to 100%; Resolution 1%; Accuracy ±4%, (for temperature above 0°C and humidity in the range 25% to 85%)
Battery type		LR03 (AAA)
Battery life	h	> 10 hours
Battery low		Automatically switching off if battery voltage too low
CE/RoHS compliant/WEEE registered		yes/yes/yes
Weight	g / oz	125

Sound pressure level	dB	94 (± 0.2 dB) or 114 (± 0.2 dB)
Size ( LxWxH )		97×51.5×41 mm / 3.8×2.0×1.6 "

Level and frequencies at reference conditions (23,0°C/101,325 kPa/50% Relative Humidity) - levels in decibel relative to 20 µPa.

GRAS Sound & Vibration reserves the right to change specifications and accessories without notice.



## Included items

GRAS RA0297	Adapter for ½" microphones.
GRAS RA0049	Adapter for ¼" microphones
GRAS RA0069	Adapter for 1/8" microphones
GRAS EL0001	Four LR6-AA alkaline cells

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# GRAS Worldwide

Subsidiaries and distributors in more  
than 40 countries

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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](http://www.grasacoustics.com)

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