

GRAS 42AG

1



94 dB 114 dB
250 Hz 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



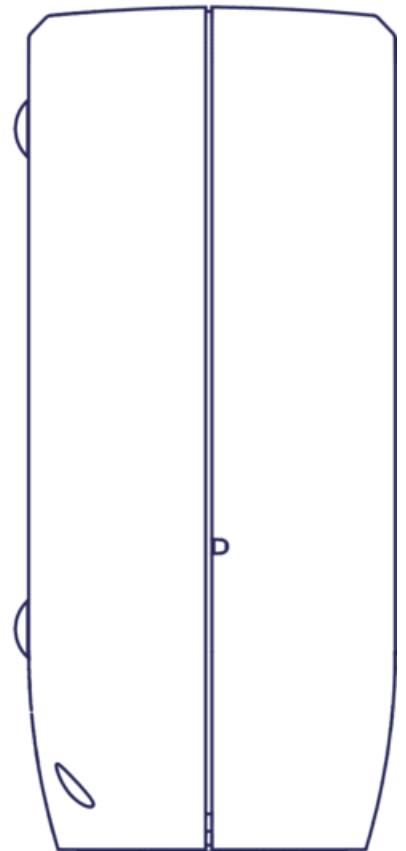
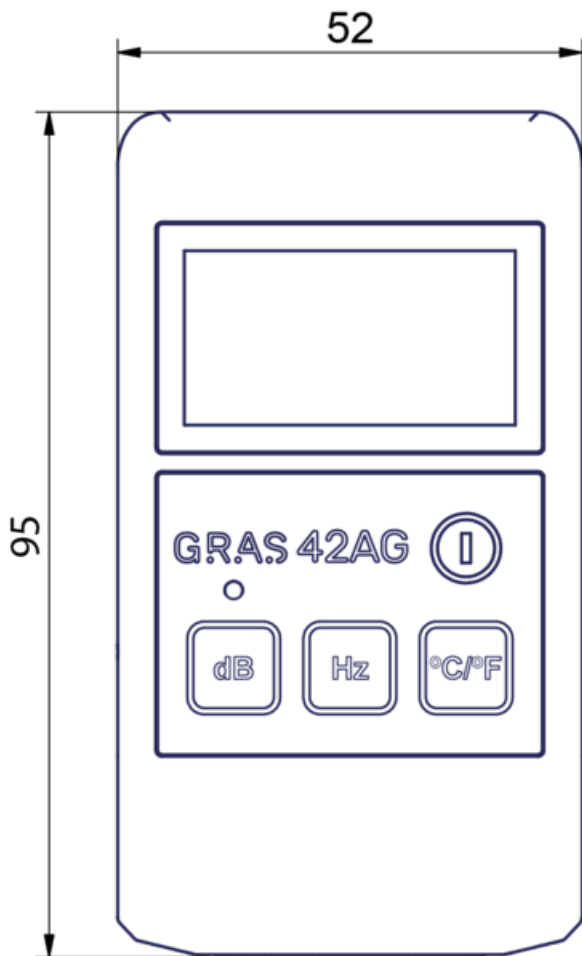
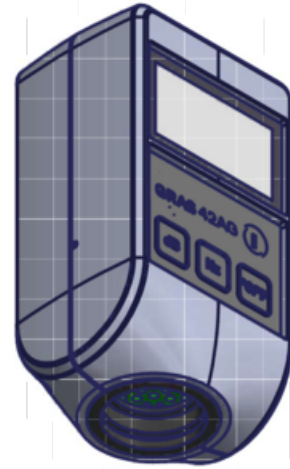
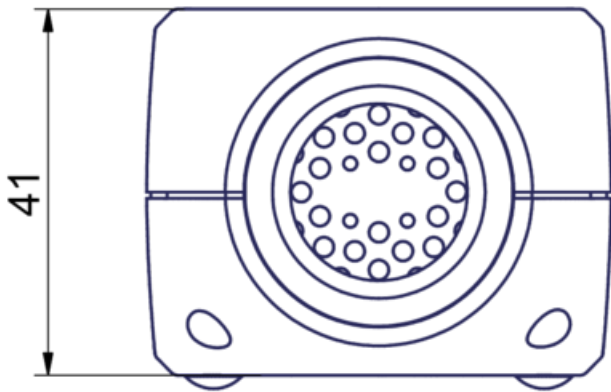
42AG 2

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|---|---------|---|
| 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 (WxH) |
| 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) | | 97x51.5x41 mm / 3.8x2.0x1.6 " |

(23,0°C/101,325 kPa/50%) - 20 μ Pa

GRAS Sound & Vibration





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|-------------|-------------------------------|
| GRAS RA0297 | Adapter for 1/2" microphones. |
| GRAS RA0049 | Adapter for 1/4" microphones |
| GRAS RA0069 | Adapter for 1/8" microphones |
| GRAS EL0001 | Four LR6-AA alkaline cells |

GRAS Sound & Vibration

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

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