

# GRAS 43AC-S7

高分辨率仿真耳治具 CCP



连接方式 0 V/CCP  
容积 1260 mm<sup>3</sup> @ 500 Hz  
动态范围 44 dB(A) - 166 dB  
ANSI 标准 S3.7  
IEC 标准 : 60318-4

带 TEDS 的 GRAS 43AC-S7 仿真耳治具是一个完整的测试夹具，用于对通过导管和耳罩等插入物连接到耳朵上的耳机进行高达 50 kHz 的高分辨率测量。

GRAS 43AC-S7 仿真耳套件是一款完整的测试治具，用于对通过耳塞（如导管和耳模）与人耳耦合的耳机进行声学测试，并兼容以下国际要求：

- IEC 60318-4 用于测量通过耳塞与人耳耦合的耳机的堵耳式仿真耳。

43AC-S7 使用 RA0404 高解析度仿真耳，可将有效频率范围扩展至 50 kHz 可在此处[阅读关于 RA0404 的更多信息](#)

43AC-S7 包含：

- [GRAS RA0404](#) 预极化高解析度仿真耳
- [GRAS 40BD](#) 1/4 压力场传声器 (包含在 RA0404 中)
- [GRAS 26CB](#) 1/4 前置放大器
- [GRAS RA0001](#) 直角适配器
- [GRAS RA0052](#) 测试治具

该测试治具配有一个可调节的弹簧加载臂，可对待测对象施加可变压力。

提供外极化版本：[GRAS 43AC-S6](#)

## TEDS 兼容性

43AC-S7 符合 IEEE 1451.4 TEDS v. 1.0 标准。如果您的测量平台支持传感器电子数据表 (TEDS) 您将能够读取和写入诸如属性和校准数据等信息。

Theoretical dynamic range lower limit with GRAS preamplifier	dB(A)	44
Theoretical dynamic range upper limit with GRAS preamplifier @ +28 V / ±14 V power supply	dB	166
Set sensitivity @ 250 Hz (±3 dB)	mV/Pa	1,6
Coupler volume	mm <sup>3</sup>	1260 @ 500 Hz
Resonance frequency	kHz	13.5
Temperature range, operation	°C / °F	-30 to 60 / -22 to 140
Temperature coefficient @250 Hz	dB/°C / dB/°F	-0.01 / -0.006
Humidity range non condensing	% RH	0 to 75
ANSI standard		S3.7
IEC standard		60318-4 (former 60711)
CE/RoHS compliant/WEEE registered		Yes/Yes/Yes
Connector type		Microdot 10/32
Weight	g / oz	1550 / 54.675

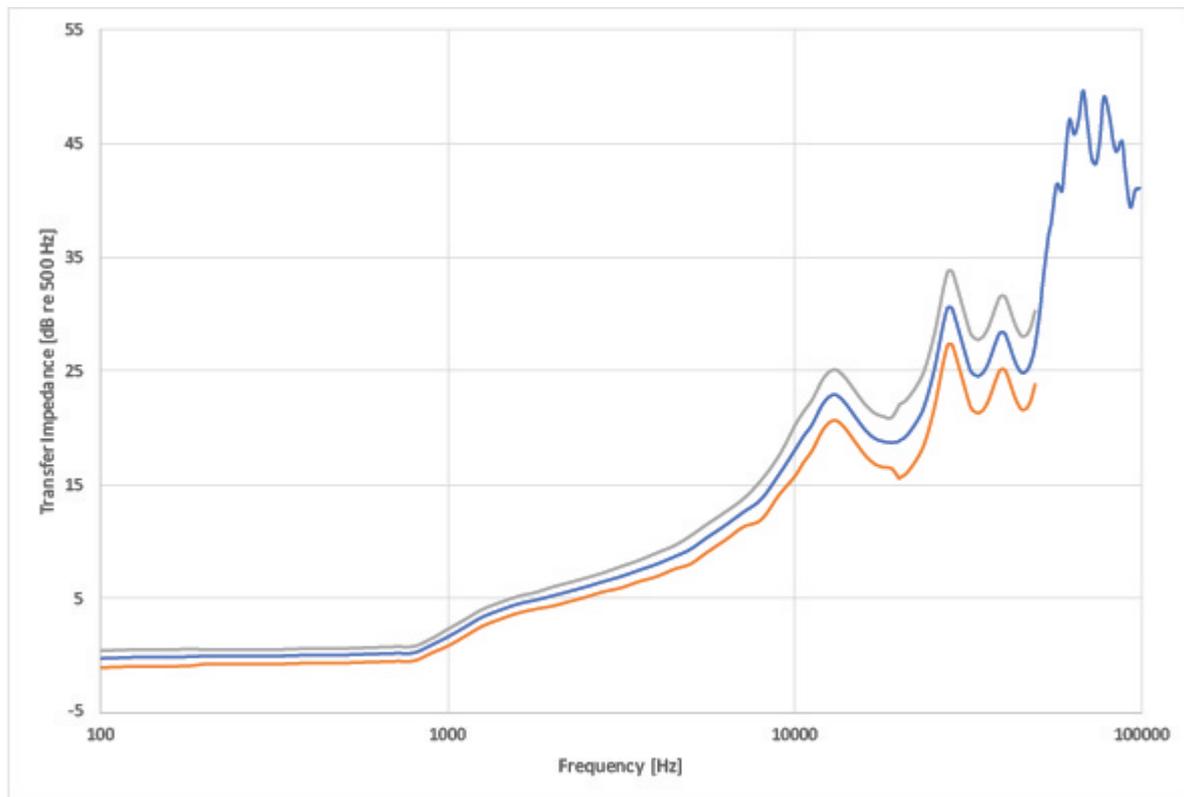


图1. 典型 RA0404 高解析度仿真耳的传输阻抗 (含公差)。在 10 kHz 以下, 响应在 IEC 60318-4 定义的限值内。在 10 kHz 以上, 响应在直至 50 kHz 的一个相当窄的公差带内。

## 标配

<a href="#">GRAS RA0404</a>	高解析度仿真耳 (预极化)
<a href="#">GRAS 26CB</a>	¼ 前置放大器
GRAS RA0001	直角适配器
<a href="#">GRAS RA0052</a>	测试治具
GRAS GR0435	入耳式适配器
GRAS GR0436	导管管嘴
GRAS GR0437	耳模模拟器
GRAS GR0438	锁紧螺母
GRAS GR0440	导管管嘴
GRAS GR0433	校准适配器
GRAS GR0434	限位垫圈
GRAS MI0070	0.2 m 连接线

## 选配

<a href="#">GRAS 12AK</a>	电源模块
<a href="#">GRAS 42AA</a>	活塞发声器

## 其他

<a href="#">GRAS RA0196</a>	高张力弹簧 (两件套)
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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 to industries where acoustic measuring accuracy and repeatability is of utmost importance in R&D, QA and production. This includes applications and solutions for customers within the fields of aerospace, automotive, audiology, and consumer electronics. GRAS microphones are designed to live up to the high quality, durability and accuracy that our customers have come to expect and trust.

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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