

# 用于生产测试的 GRAS 43AI

CCP 耳模拟器，基于 ITU-T Rec. P57 3.2 型高泄漏



Connection: 0 V/CCP  
Volume: Complex  
Dyn range: 25 dB(A) to 150 dB  
ANSI: S3.7

带 TEDS 的 GRAS 43AI 耳模拟器由 ITU-T Rec. P.57 2 类耳部模拟器和 3.2 类简化高泄漏耳廓模拟器，用于在生产线上对电话听筒、接收器和接收器/扬声器模块进行 ITU-T 标准化测试。

43AI consists of the ITU-T Rec. P57 Type 2 Ear Simulator and Type 3.2 Simplified High-leak Pinna Simulator for testing leak tolerant receivers

Besides the ear and pinna simulators, GRAS 43AI includes a detachable front-plate that can be machined to make well-defined testing on various receiver related items. A calibration adapter to be used with [GRAS 42AA Pistonphone](#)/[GRAS 42AP Pistonphone](#) is included.

## **TEDS Compatibility**

43AI is IEEE 1451.4 TEDS v. 1.0 compliant. If your measurement platform supports Transducer Electronic Data Sheets (TEDS), you will be able to read and write data like properties and calibration data.

Theoretical dynamic range lower limit with GRAS preamplifier	dB(A)	25
Theoretical dynamic range upper limit with GRAS CCP preamplifier	dB	150
Set sensitivity @ 250 Hz ( $\pm 2$ dB)	mV/Pa	12
Set sensitivity @ 250 Hz ( $\pm 2$ dB)	dB re 1V/Pa	-38.5
Coupler volume	mm <sup>3</sup>	1260 @ 500 Hz
Resonance frequency	kHz	1.570
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 80
ANSI standard		S3.7
ITU-T recommendations		P.57
CE/RoHS compliant/WEEE registered		Yes/Yes/Yes
Connector type		Microdot 10/32
Weight	g / oz	0.8 / 28.219

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

## Included

<a href="#">GRAS RA0045-S1</a>	Prepolarized Ear Simulator According to IEC 60318-4 (60711)
<a href="#">GRAS 26CB</a>	¼" CCP Preampfier
RS0010	Generic Adapter Ring
RA0119	Pistonphone Adapter

## Optional

<a href="#">GRAS AA0070</a>	3 m Microdot - BNC cable
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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 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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