

GRAS 40PP-10

CCP 自由声场 QC 传声器



频率范围 10 Hz - 20 kHz
动态范围 33 dB(A) - 128 dB
灵敏度 50 mV/Pa

GRAS 40PP-10 生产线测试传声器是一款坚固耐用、经济高效的传声器，设计用于扬声器和声传感器的生产线测试。它具有高达 20 kHz 的宽频率范围和 33 dB(A) 至 128 dB 的大动态范围。

典型应用和用途

- 驱动器、接收器和微型扬声器的生产线测试
- 阵列配置中的声景记录
- 多通道测量（分析）

设计

在建立多条生产线时 40PP-10 的成本效益是一个重要的考虑因素。紧密的制造公差为 40PP-10 提供了高度的互换性——这是用于生产线测试装置时的一大优势。

40PP-10 采用坚固耐用的标准 BNC 连接器，确保了易于操作的设置，并支持使用标准 RG58 电缆从传声器一直连接到输入模块。

集成的 CCP 恒流电源) 前置放大器需要恒流电源，如带 A-Weighting 滤波器的 [GRAS 12AL](#) 1 通道 CCP 电源模块，或任何其他与 CCP 兼容的电源或输入模块。内置 TEDS 传感器电子数据表，符合 IEEE 1451.4 标准) 芯片可提供有关传声器的信息，这些信息可由设计用于 TEDS 的系统使用。

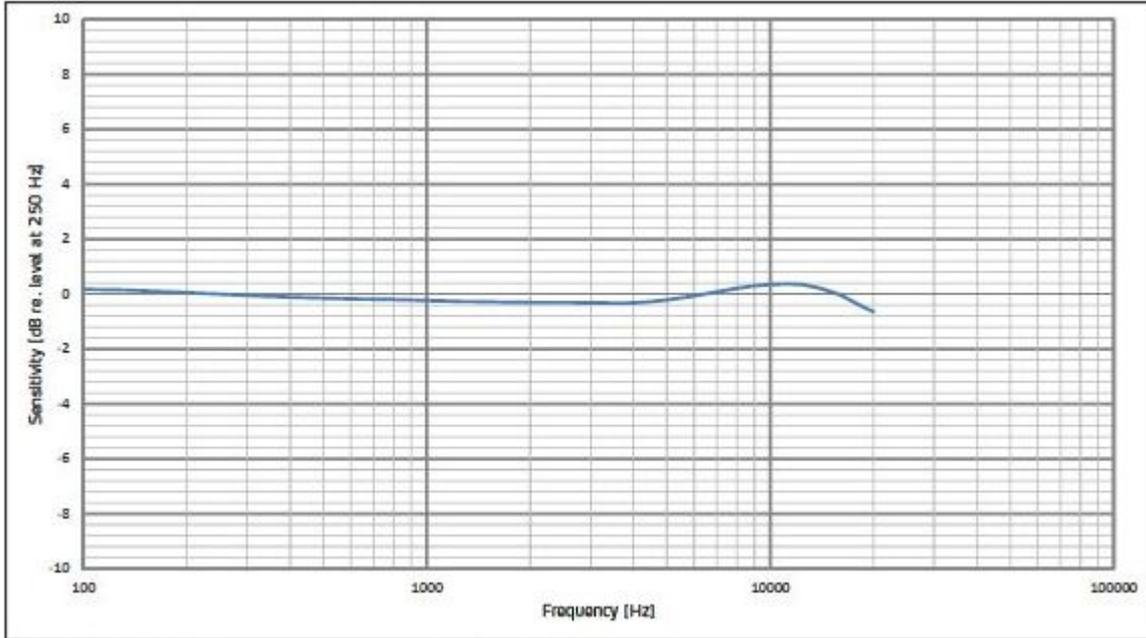
传声器校准

使用 [GRAS 42AA](#) 等 GRAS 活塞式传声器和 ¼ 英寸传声器适配器，校准非常简单。

GRAS 产品在出厂前均经过 GRAS 测试和校准，产品随附个人测试证书。

GRAS Sound & Vibration 不断努力为客户提高产品质量，因此，产品规格和配件可能会有变动。

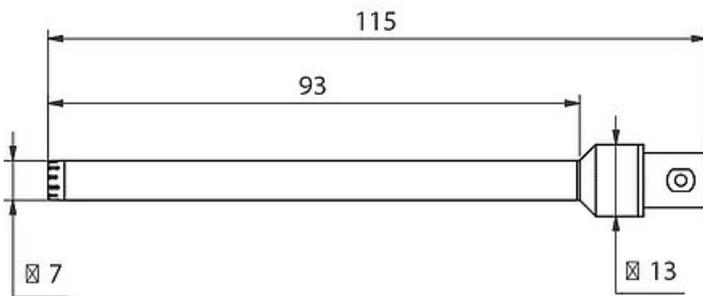
Polarization/Connection		0 V / CCP
Frequency range (± 1.5 dB)	Hz	50 to 5 k
Frequency range (± 2 dB)	Hz	10 to 20 k
Dynamic range lower limit (microphone thermal noise)	dB(A)	<33
Dynamic range upper limit	dB	128
Set sensitivity @ 250 Hz (± 2 dB)	mV/Pa	50
Power supply (Constant Current Power)	mA	2 to 20
Microphone venting		Front
Output impedance	Ω	<50
Temperature range, operation	$^{\circ}\text{C} / ^{\circ}\text{F}$	-10 to 50 / 14 to 122
Temperature range, storage	$^{\circ}\text{C} / ^{\circ}\text{F}$	-20 to 60 / -4 to 140
Influence of axial vibration @1 m/s ²	dB re 20 μPa	55
TEDS (IEEE 1451.4)		27 v. 1.0
Connector type		BNC
CE/RoHS compliant/WEEE registered		Yes/Yes/Yes
Weight	g / oz	24 / 0.85



典型频率响应

GRAS Sound & Vibration 保留更改规格和配件的权利，恕不另行通知。

Dimensions in mm



GS0528
40PP

选配

GRAS 12AL	1-Channel CCP Power Module with A-weighting filter
GRAS AL0028	Tripod adapter
GRAS RA0092	Rain-protection Cap for array microphones
GRAS 42AP	Intelligent Pistonphone, Class 0
GRAS 42AG	Multifunction Sound Calibrator, Class 1

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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

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