

GRAS 40PH-10

CCP



Freq range: 10 Hz to 20 kHz
Dyn range: 33 dB(A) to 135 dB
Sensitivity: 50 mV/Pa

GRAS 40PH-10

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40PH-10 20 kHz 135 dB

CCP TEDS GRAS 40PH-10

[GRAS 12AL](#) CCP CCP

TEDS 40PH-10

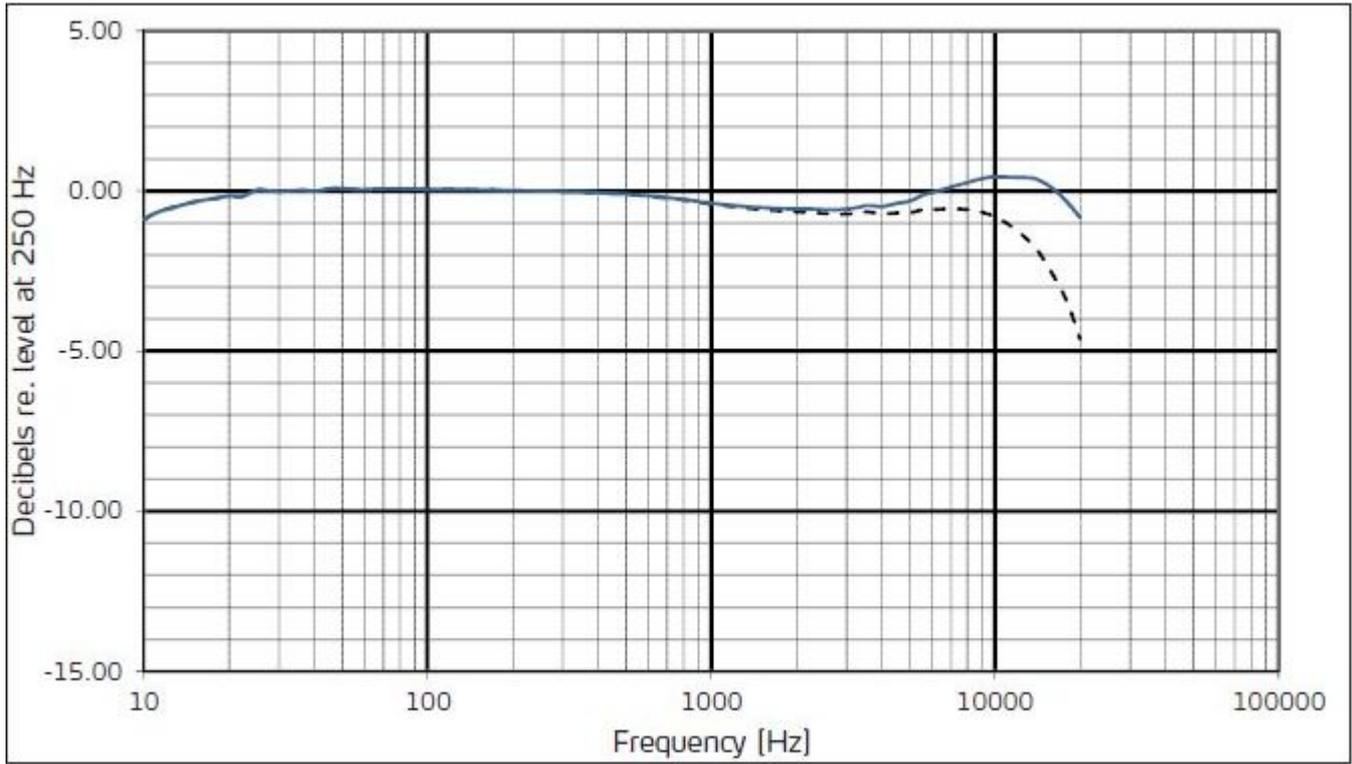
40PH-10

[GRAS 42AA](#) GRAS 40PH-10 GRAS 1/4

GRAS

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	135
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 / -50 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		SMB
CE/RoHS compliant/WEEE registered		Yes / Yes / Yes
Weight	g / oz	5.50 / 0.20
Phase Match		
50Hz - 100Hz		$\pm 5^{\circ}$
100Hz - 3kHz		$\pm 3^{\circ}$
3kHz - 5kHz		$\pm 5^{\circ}$
5kHz - 10kHz		$\pm 10^{\circ}$

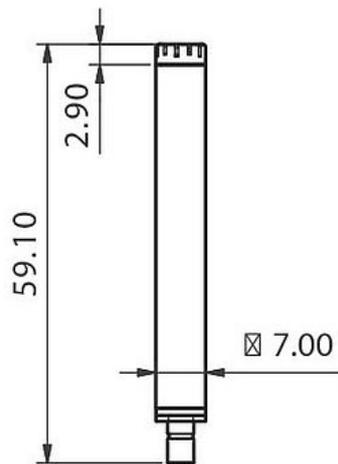
IEC 61672-1



0°

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Dimensions in mm





GRAS AA0027	3 m SMB - BNC Cable
GRAS 12AL	1-Channel CCP Power Module with A-weighting filter
GRAS PR0002	Array Module
GRAS AM0364	Windscreens (set of 6)
GRAS RA0092	Rain-protection cap
GRAS 42AA	Pistonphone, Class 1
GRAS 42AG	Multifunction Sound Calibrator, Class 1

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

grasacoustics.com

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