

GRAS 40LA



1/4" CCP

GRAS 40LA
178 dB

70 kHz

40LA 2.5 CCP TEDS
40LA TEDS GRAS 12AL CCP CCP
40LA 1.5 Microdot
GRAS 40LA
40LA

GRAS

GRAS

GRAS GRAS GRAS
GRAS GRAS DANAK ISO
17025

[gras/calib.](#)

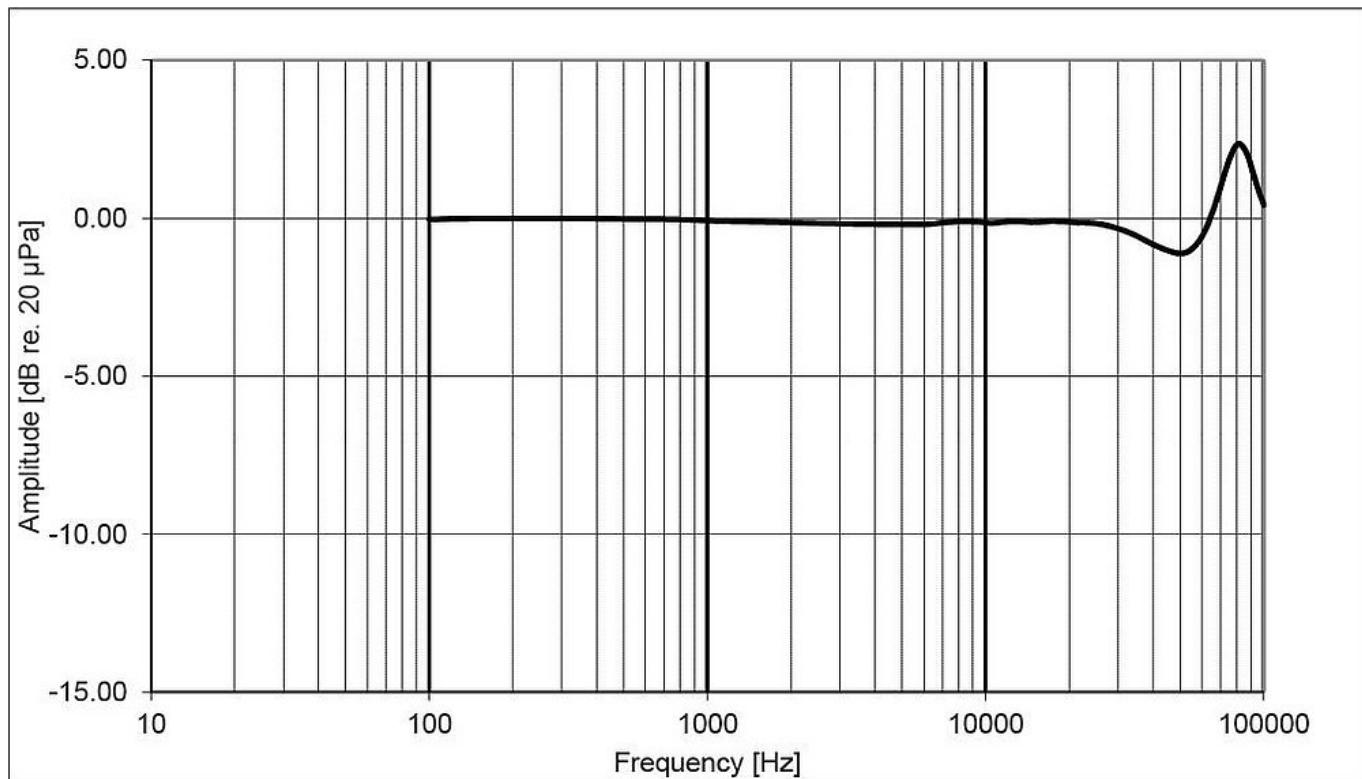
GRAS

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GRAS

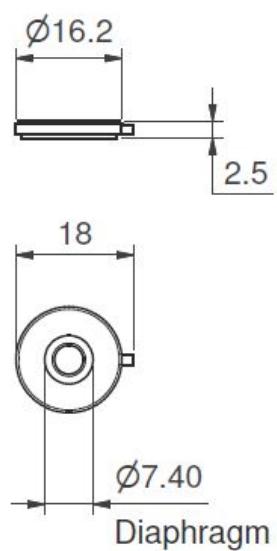
Specifications

Polarization/Connection		0 V / CCP
Frequency range (± 1 dB)	Hz	10 to 20 k
Frequency range (± 3 dB)	Hz	5 to 70 k
Dynamic range lower limit (microphone thermal noise)	dB(A)	< 56
Dynamic range upper limit with GRAS CCP preamplifier	dB	178
Set sensitivity @ 250 Hz (± 2 dB)	mV/Pa	0.5
Power supply (Constant Current Power)	mA	2 to 20
Microphone venting		Front
IEC 61094-4 Compliance		WS3P
Output impedance	Ω	<50
Temperature range, operation	$^{\circ}\text{C} / ^{\circ}\text{F}$	-55 to 100 / -67 to 212
Temperature range, storage	$^{\circ}\text{C} / ^{\circ}\text{F}$	-40 to 85 / -40 to 185
TEDS (IEEE 1451.4)		27 v. 1.0
Connector type		Microdot 10/32
CE/RoHS compliant/WEEE registered		Yes / Yes / Yes
Weight	g / oz	3 / 0.101



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Dimensions in mm



Included items

GRAS GR0933	Adhesive tape, pre-cut, single-sided
GRAS GR0934	Adhesive tape, pre-cut, double-sided
GRAS MI0031	Cleaning tissue
GRAS AE0046	Adapter, BNC male to Microdot female
GRAS GR1252	Silicon-rubber fairing

Optional items

GRAS 12AQ	Power Module (2-ch.)
GRAS 42AP	Intelligent Pistonphone with built-inprecision barometer (250 Hz or 251.2 Hz, 114 dB ±0.05 dB) (recommended)
GRAS 42AA	Pistonphone(250 Hz, 114 dB ±0.08 dB)
GRAS GR1297	Aluminum fairing
GRAS OP0025	Kit for Sensitivity Calibration of Surface Microphone Sets
GRAS OP0026	Kit for Frequency Calibration of 1/4" Surface Microphone Sets
GRAS CA0029	Traceable Calibration of Microphone Set
GRAS CA2301	Accredited Calibration of Microphone Set

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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