

GRAS 50AI-L

1/2" CCP



Ref. IEC 61043 Class 1
25 dB(A) to 152 dB
12.5 mV/Pa

GRAS 50AI-L 1/2" CCP

ICP

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GRAS 50AI-L 1/2" CCP ICP

IEC 61043 1 1/4" CCP

50AI-L 12mm 100mm 30 Hz 10 kHz

1/4" 40 mm
— ISO/DIS 9614-2

1/2"

50AI-L GRAS

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GRAS

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GRAS 50AI-L 5

GRAS

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GRAS

Polarization/Connection		0 V / CCP
Frequency range (± 2 dB)	Hz	Ref. IEC 61043 Class 1
Dynamic range lower limit (microphone thermal noise)	dB(A)	25
Dynamic range upper limit	dB	152
Set sensitivity @ 250 Hz (± 2 dB)	mV/Pa	12.5
Polarization voltage	V	0 V
Microphone venting		Rear
Temperature range, operation	$^{\circ}\text{C}$ / $^{\circ}\text{F}$	5 to 40 / 41 to 104
Temperature coefficient @250 Hz	dB/ $^{\circ}\text{C}$ / dB/ $^{\circ}\text{F}$	-0.01
Humidity range non condensing	% RH	0 - 100
Humidity coefficient @250 Hz	dB/% RH	-0.001
Influence of axial vibration @1 m/s ²	dB re 20 μPa	66
Connector type		12-pin LEMO
CE/RoHS compliant/WEEE registered		Yes/Yes/Yes
Weight	g / oz	400 / 14.110

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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An Axiometrix Solutions Brand