

# GRAS 50AI-LP

1/2" CCP



IEC 61043 Class 1  
25 dB(A) - 152 dB  
12.5 mV/Pa

GRAS 50AI-LP 1/2" CCP  
ICP

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GRAS 50AI-LP 1/2" CCP                      ICP

IEC 61043   1                      1/4"CCP

50AI-LP   12mm   50mm                      80 Hz   10 kHz

1/4"   40mm

ISO/DIS 9614-2

½"

50AI-LP

50AI-LP      GRAS

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GRAS                      50AI-LP      5

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Polarization/Connection		0 V / CCP
Frequency range ( $\pm 2$ 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 ( $\pm 2$ dB)	mV/Pa	12.5
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 <sup>2</sup>	dB re 20 $\mu\text{Pa}$	66
Connector type		12-pin LEMO
CE/RoHS compliant/WEEE registered		Yes/Yes/Yes
Weight	g / oz	400 / 14.110

## GRAS Sound & Vibration



GRAS RA0213	Rugged Probe Head
GRAS 40GK-S1	1/2" Intensity Microphone Set
<a href="#">GRAS RA0001</a>	Right-angled (90°) Adapter for 1/2" microphone and 1/4" preamplifier
GRAS GR0040	Holder for spacer
GRAS RA0264	Spacer, 50 mm
GRAS RA0265	Spacer, 25 mm
GRAS RA0266	Spacer, 12 mm
<a href="#">GRAS 26CC Set</a>	¼" CCP Preamplifier set
GRAS AA0021	5 m Extension Cable, 5 m, 12 pin LEMO male - male
GRAS AC0022	Adapter cable, 12-pin LEMO to 2 x BNC + USB Adapter
GRAS AA0068	2 x SMB to Microdot cable, 25 cm (male-male)
GRAS AI0048S	Probe handle
<a href="#">GRAS AM0376</a>	Windscreen



GRAS AA0010-S1	3 m LEMO 12-pin - Lemo 12-pin, Cable for Intensity Probe
<a href="#">GRAS AA0010</a>	10 m LEMO 12-pin - Lemo 12-pin, Cable for Intensity Probe
<a href="#">GRAS 51AB</a>	Intensity Calibrator
<a href="#">GRAS 42AP</a>	Pistonphone with built-in barometer and thermometer (recommended)
<a href="#">GRAS 42AA</a>	Pistonphone
<a href="#">GRAS RA0024</a>	Two-port Calibration Coupler (for GRAS 42AP or 42AA Pistonphones)
<a href="#">GRAS 51AC</a>	Sound Intensity Calibration Kit for 50AI-LP

## GRAS Sound & Vibration

# GRAS Worldwide

Subsidiaries and distributors in more  
than 40 countries

**HEAD OFFICE, DENMARK**  
**GRAS SOUND & VIBRATION**  
Skovlytoften 33  
2840 Holte  
Denmark  
Tel: +45 4566 4046  
[www.GRASacoustics.com](http://www.GRASacoustics.com)  
[gras@grasacoustics.com](mailto:gras@grasacoustics.com)

**USA**  
**GRAS SOUND & VIBRATION**  
9290 SW Nimbus Avenue  
Beaverton, OR 97008  
Tel: 503-627-0832  
Toll Free: 800-231-7350  
[www.GRASacoustics.com](http://www.GRASacoustics.com)  
[sales-usa@grasacoustics.com](mailto:sales-usa@grasacoustics.com)

**UK**  
**GRAS SOUND & VIBRATION**  
Unit 115, Gibson House,  
Ermine Business Park, Huntingdon,  
Cambridgeshire, PE29 6XU  
Tel: +44 (0) 7762 584 202  
[www.GRASacoustics.com](http://www.GRASacoustics.com)  
[sales-uk@grasacoustics.com](mailto:sales-uk@grasacoustics.com)

**CHINA**  
**GRAS SOUND & VIBRATION**  
Room 315, RuiBo Center(T1)  
Lane683, Shenhong Rd,  
Minhang District,  
Shanghai, China, 201107  
Tel: +86 21 64203370  
[www.GRASacoustics.cn](http://www.GRASacoustics.cn)  
[cnsales@grasacoustics.com](mailto:cnsales@grasacoustics.com)



## 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](http://www.grasacoustics.com)

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**GRAS**  
An Axiometrix Solutions Brand