

GRAS 46AC

1/2" LEMO



3.15 Hz - 40 kHz
20 dB(A) - 164 dB
12.5 mV/Pa

GRAS 46AC 1/2" LEMO
LEMO TEDS CCP [GRAS 46AM](#)

7

□□

□□

GRAS

GRAS GRAS

GRAS

GRAS

□□□□□

46AC

0

GRAS GRAS

ISO 17025

DANAK

□□

GRAS 46AC 1/2

GRAS

[gras/calib.](#)

□□□□□

GRAS

IEC 61094 WSF2 [GRAS 40AC](#) 1/2"

5

GRAS 26TK
1/2

TEDS

[GRAS 26AK](#) 1/2"

7 LEMO

GRAS

--

□□□

GRAS 46AC

200V

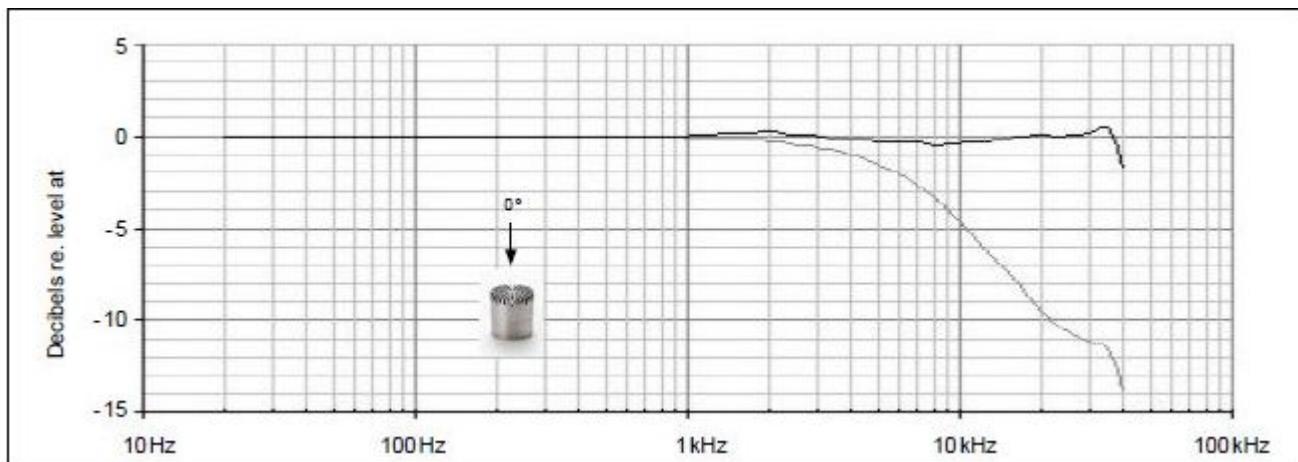
7 LEMO LEMO

46AC IEEE 1451.4 TEDS v.1.0

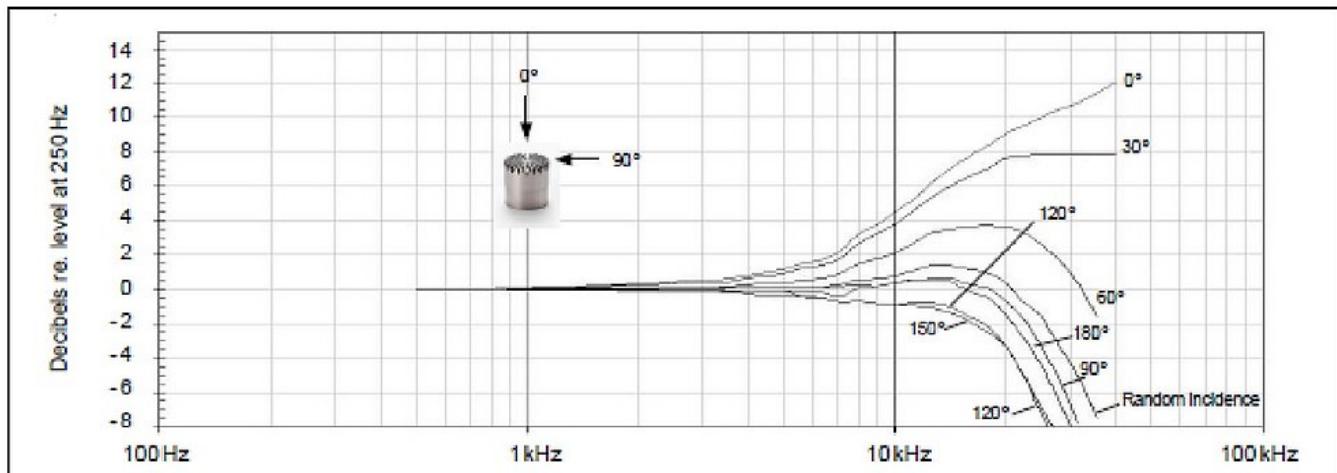
□□□□

TEDS
[42AG](#)[GRAS](#)[GRAS 42AP](#)

Polarization/Connection		200 V / Traditional
Frequency range (± 1 dB)	Hz	5 to 16 k
Frequency range (± 2 dB)	Hz	3.15 to 40 k
Dynamic range lower limit with GRAS preamplifier	dB(A)	20
Dynamic range upper limit with GRAS preamplifier @ +28 V / ± 14 V power supply	dB	153
Dynamic range upper limit with GRAS preamplifier @ +120 V / ± 60 V power supply	dB	164
Set sensitivity @ 250 Hz (± 2 dB)	mV/Pa	12.5
Set sensitivity @ 250 Hz (± 2 dB)	dB re 1V/Pa	-38
Output impedance	Ω	75
Power supply min. to max. (single/balanced)	V	28 to 120 / ± 14 to ± 60
DC-offset, min., single supply	V	0.5 x Vs - 1
DC-offset, max., single supply	V	0.5 x Vs + 4
DC-offset, balanced supply	V	-1 to 4
Microphone venting		Rear
IEC 61094-4 Designation		WS2F
Temperature range, operation	$^{\circ}$ C / $^{\circ}$ F	-30 to 70 / -22 to 158
Temperature range, storage	$^{\circ}$ C / $^{\circ}$ F	-40 to 85 / -40 to 185
Temperature coefficient @250 Hz	dB/ $^{\circ}$ C / dB/ $^{\circ}$ F	-0.01 / -0.006
Static pressure coefficient @250 Hz	dB/kPa	-0.007
Humidity range non condensing	% RH	0 to 90
Influence of axial vibration @1 m/s ²	dB re 20 μ Pa	62
TEDS (IEEE 1451.4)		27 v. 1.0
Connector type		7-pin LEMO (FGG.1B.307)
CE/RoHS compliant/WEEE registered		Yes / Yes/Yes
Weight	g / oz	33 / 1.164

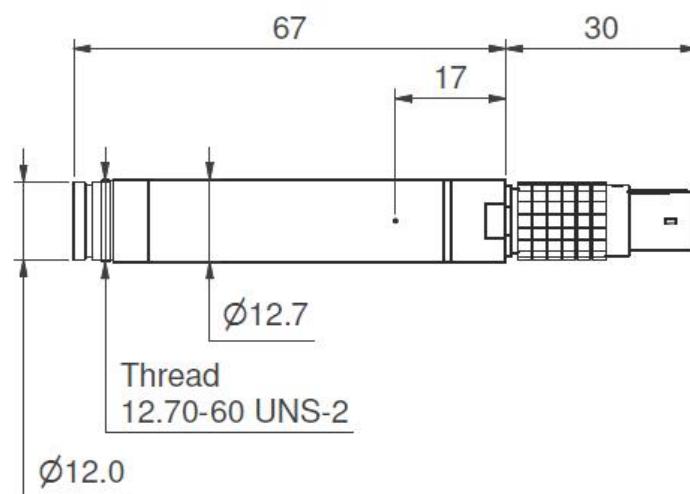
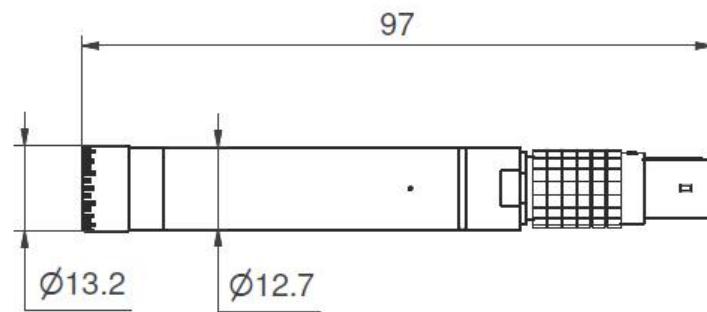


0°



GRAS Sound & Vibration

Dimensions in mm





GRAS AA0008	3 m LEMO 7-pin - LEMO 7-pin Cable
GRAS AL0008	1/2" Microphone Holder, POM
GRAS AL0012	1/2" Microphone Holder, Stainless Steel
GRAS AL0005	Swivel head
GRAS AL0006	Tripod
GRAS RA0020	1/2" Nosecone
GRAS AM0069	Windscreen for 1/2" Microphones
GRAS RA0131	Rain-protection cap for 1/2" microphones
GRAS 12AA	2-Channel Power Module with gain, filters and SysCheck generator
GRAS 12AQ	2-Channel Universal Power Module with signal conditioning and PC interface
GRAS 42AG	Multifunction Sound Calibrator, Class 1
GRAS 42AP	Intelligent Pistonphone, Class 0
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

HEAD OFFICE, DENMARK

GRAS SOUND & VIBRATION
Skovlytoften 33
2840 Holte
Denmark
Tel: +45 4566 4046
www.GRASacoustics.com
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
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
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
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

grasacoustics.com

GRAS
An Axiometrix Solutions Brand