

# GRAS 45BB-6

2 CCP



(0 V/CCP)

2

ANSI S3.36, S3.25

IEC 60318-4

ITU-T P.57 3.3 ITU-T P.58

45BB-6 KEMAR

TEDS

2-Ch CCP

KEMAR

IEC 60318-4

LEMO

[GRAS 45BB-5 KEMAR](#)

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LEMO



KEMAR Knowles 1972 KEMAR 5 6  
[KEMAR.us](#) ANSI  
S3.36/ASA58-2012 IEC 60318-7:2011

KEMAR KEMAR GRAS

45BB KEMAR 45BB KEMAR  
KEMAR 45BB KEMAR

— KEMAR

**TEDS**

CCP KEMAR IEEE 1451.4 TEDS v. 1.0  
(TEDS)

45BB-6 KEMAR 55 Shore  
00

USB

45BB-6 IEC 60318-4 GRAS RA0045-S1  
KB0065/KB0066

*IEC 60318-4*  
RA0045-S1

IEC 60318-4 ITU-T P.57

— RA0045-S1

*KB0065/KB0066*

KB0065 KB0066 55 Shore 00 IEC  
ITU-T

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KEMAR 2



Connector type		BNC
Set sensitivity @ 250 Hz ( $\pm 2$ dB)	mV/Pa	12.5
Set sensitivity @ 250 Hz ( $\pm 2$ dB)	dB re 1V/Pa	-38.5
Theoretical dynamic range lower limit with GRAS preamplifier	dB(A)	25
Theoretical dynamic range upper limit with GRAS preamplifier @ +28 V / $\pm 14$ V power supply	dB	151
Theoretical dynamic range upper limit with GRAS CCP preamplifier	dB	146
Resonance frequency	kHz	13.5
Temperature range, operation	$^{\circ}\text{C}$ / $^{\circ}\text{F}$	-30 to 60 / -22 to 140
Temperature range, storage	$^{\circ}\text{C}$ / $^{\circ}\text{F}$	-40 to 65 / -40 to 149
Humidity range non condensing	% RH	0 to 95%
ANSI standard		S3.36, S3.25
IEC standard		60318-4 (former 60711), 60318-7 (former 60959)
ITU-T recommendations		P.380
Weight	g / oz	11.45 k / 404

GRAS Sound & Vibration



<a href="#">GRAS 45BB</a>	KEMAR Head & Torso, Non-configured
<a href="#">GRAS KB0065</a>	KEMAR Large Right Ear 55 Shore 00
<a href="#">GRAS KB0066</a>	KEMAR Large Left Ear 55 Shore 00
GRAS RA0237	Straight Ear Extension Canal Kit (2 pcs)
<a href="#">GRAS RA0045-S1</a>	IEC 60318-4 Ear Simulator (Prepol. version, 2 pcs)
GRAS GR0408	Exterior Ear Canal
GRAS GR0409	Union Nut
<a href="#">GRAS 26CS</a>	1/4" CCP Short Preamplifier (2 pcs)
<a href="#">GRAS RA0001</a>	Adapter for 1/2" Microphone and 1/4" Preamplifier (2 pcs)
<a href="#">GRAS AA0018-S</a>	Microdot-BNC Cable, 35 cm (2 pcs)
<a href="#">GRAS AA0035</a>	BNC-BNC Cable, 3 m (2 pcs)



<a href="#">GRAS 12AL</a>	1-Channel CCP Power Module with A-weighting filter
<a href="#">GRAS 12AQ</a>	2-Channel Universal Power Module with signal conditioning and PC interface



<a href="#">GRAS 42AP</a>	Intelligent Pistonphone (250 Hz or 251.2 Hz, 114 dB +/- 0.05 dB)
<a href="#">GRAS 42AA</a>	Pistonphone (250 Hz, 114 dB +/- 0.08 dB)
<a href="#">GRAS RA0157</a>	1/2" Calibration Adapter for KEMAR Pinna



<a href="#">GRAS KB0060</a>	KEMAR Small Right Ear 55 Shore 00
<a href="#">GRAS KB0061</a>	KEMAR Small Left Ear 55 Shore 00

<a href="#">GRAS KB0065</a>	KEMAR Large Right Ear 55 Shore 00
<a href="#">GRAS KB0066</a>	KEMAR Large Left Ear 55 Shore 00
<a href="#">GRAS KB1060</a>	KEMAR Small Right Ear, 35 Shore 00
<a href="#">GRAS KB1061</a>	KEMAR Small Left Ear 35 Shore 00
<a href="#">GRAS KB1065</a>	KEMAR Large Right Ear 35 Shore 00
<a href="#">GRAS KB1066</a>	KEMAR Large Left Ear 35 Shore 00
<a href="#">GRAS KB0090</a>	KEMAR Large Right Ear (VA-Style/SQ) 55 Shore 00
<a href="#">GRAS KB0091</a>	KEMAR Large Left Ear (VA-Style/SQ) 55 Shore 00
<a href="#">GRAS KB1090</a>	KEMAR Large Right Ear (VA-Style) 35 Shore 00
<a href="#">GRAS KB1091</a>	KEMAR Large Left Ear (VA-Style) 35 Shore 00
<a href="#">GRAS KB5000</a>	KEMAR Large Right Anthropometric Pinna 35 Shore 00
<a href="#">GRAS KB5001</a>	KEMAR Large Left Anthropometric Pinna 35 Shore 00

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<a href="#">GRAS KB0110</a>	Ear Mould Simulator for 2 mm Inner diameter tubing
<a href="#">GRAS KB0111</a>	Ear Mould Simulator for 3 mm Inner diameter tubing

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<a href="#">GRAS RA0237</a>	Straight Ear Canal Extension Kit for KEMAR
<a href="#">GRAS RA0238</a>	VA-tapered Ear Canal Extension Kit for KEMAR
<a href="#">GRAS RA0239</a>	Ear canal Extension Kit w. silicone lining for KEMAR
<a href="#">GRAS RA0240</a>	Holder for long 1/2" microphone Kit for KEMAR
<a href="#">GRAS RA0241</a>	Holder for short 1/2" microphone Kit for KEMAR
<a href="#">GRAS RA0243</a>	Holder for 1/2" microphone Kit for KEMAR
<a href="#">GRAS RA0244</a>	O-ring kit for KEMAR, 2 pcs.
<a href="#">GRAS RA0249</a>	Straight Ear Canal Extension Kit for KEMAR, made of POM, for binaural hearing aid test
<a href="#">GRAS RA0250</a>	Tapered Ear Canal Extension Kit for KEMAR, made of POM, for binaural hearing aid test

## KEMAR 耳模

### [GRAS RA0251](#)

KEMAR Retrofit Kit for Binaural Hearing Aid Test:  
The Kit includes Ear Holder Plates, mounting bolts and the RA0249 and RA0250 Ear Canal Extension Kits. Included items are made of POM, Nylon and Teflon.

## KEMAR 耳模

### [GRAS RA0311](#)

KEMAR Retrofit Kit for Anthropometric Concha and Canal Pinna.  
The Kit includes Ear Simulator Holder, 2 finger screws and a 3 mm Allen Key.

## 电缆

### GRAS AA0034

BNC-BNC Cable, 2 m

### [GRAS AA0035](#)

BNC-BNC Cable, 3 m

### GRAS AA0036

BNC-BNC Cable, 5 m

### GRAS AA0037

BNC-BNC Cable, 10 m

## 箱子

### GRAS KM0094

PELI Case for KEMAR

## KEMAR 模型

### GRAS KB3000

Simulation Model of KEMAR with large pinnae

### GRAS KB3001

Simulation Model of KEMAR with small pinnae

## KEMAR 附件

### GRAS AL0026

Loudspeaker stand for KEMAR, Ø 35 mm

## 其他

### GRAS KB0000

KEMAR Handbook

### GRAS KB0010

T-Shirt for KEMAR

GRAS Sound & Vibration

# GRAS Worldwide

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

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