

# GRAS 45BB-4

KEMAR 2 CCP



(0 V/CCP)

2  
ANSI S3.36  
ITU-T P.57 3.3  
ITU-T P.58

45BB-4 KEMAR Head and Torso with TEDS for Sound  
Quality Recording 1/2" 1/4"  
1/2" LEMO [GRAS 45BB-3 KEMAR](#) KEMAR  
2 LEMO

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KEMAR 5 6

KEMAR Knowles 1972

[KEMAR.us](http://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-4 KEMAR ½

USB

45BB-4 GRAS 40A0 ½ KB0090/KB0091  
(VA )

40A0 1/2

40A0 IEC 61094 WS2P ½

IEC 61094-4 3.15 Hz - 20 kHz  
160 dB

40A0

KB0090/KB0091

KB0090 KB0091 VA 55 Shore 00 IEC  
60318-7

" "

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KEMAR

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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	150
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
Weight	g / oz	11.45 k / 404

GRAS Sound & Vibration

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<a href="#">GRAS 45BB</a>	KEMAR ,
<a href="#">GRAS KB0090</a>	KEMAR , 55 Shore 00 (VA/SQ)
<a href="#">GRAS KB0091</a>	KEMAR , 55 Shore 00 (VA/SQ)
GRAS RA0241	KEMAR 1/2 (2 )
<a href="#">GRAS AA0018-S</a>	Microdot-BNC , 35 cm (2 )
<a href="#">GRAS AA0035</a>	BNC-BNC , 3 m (2 )
<a href="#">GRAS 46AO-S2</a>	1/2 , , (2 )

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<a href="#">GRAS 12AL</a>	CCP , A
<a href="#">GRAS 12AQ</a>	, PC

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

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GRAS KB0060-S1	KEMAR , SQ, 55 Shore 00
GRAS KB0061-S1	KEMAR , SQ, 55 Shore 00
GRAS KB1060-S1	KEMAR , SQ, 35 Shore 00
GRAS KB1061-S1	KEMAR , SQ, 35 Shore 00
<a href="#">GRAS KB0060</a>	KEMAR , 55 Shore 00

<a href="#">GRAS KB0061</a>	KEMAR , 55 Shore 00
<a href="#">GRAS KB0065</a>	KEMAR , 55 Shore 00
<a href="#">GRAS KB0066</a>	KEMAR , 55 Shore 00
<a href="#">GRAS KB1060</a>	KEMAR , 35 Shore 00
<a href="#">GRAS KB1061</a>	KEMAR , 35 Shore 00
<a href="#">GRAS KB1065</a>	KEMAR , 35 Shore 00
<a href="#">GRAS KB1066</a>	KEMAR , 35 Shore 00
<a href="#">GRAS KB0090</a>	KEMAR (VA /SQ), 55 Shore 00
<a href="#">GRAS KB0091</a>	KEMAR (VA /SQ), 55 Shore 00
<a href="#">GRAS KB1090</a>	KEMAR (VA ), 35 Shore 00
<a href="#">GRAS KB1091</a>	KEMAR (VA ), 35 Shore 00
GRAS KB5000	KEMAR , 35 Shore 00
<a href="#">GRAS KB5001</a>	KEMAR , 35 Shore 00

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<a href="#">GRAS KB0110</a>	2 mm
<a href="#">GRAS KB0111</a>	3 mm

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GRAS RA0237	KEMAR
<a href="#">GRAS RA0238</a>	KEMAR VA-
GRAS RA0239	KEMAR
GRAS RA0240	KEMAR 1/2
GRAS RA0241	KEMAR 1/2
GRAS RA0243	KEMAR 1/2
GRAS RA0244	KEMAR 0 , 2
GRAS RA0249	KEMAR , POM ,
GRAS RA0250	KEMAR , POM ,

## KEMAR □□□□□□□□□□

<a href="#">GRAS RA0311</a>	KEMAR : 2 3 mm
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GRAS AA0034	BNC-BNC , 2 m
<a href="#">GRAS AA0035</a>	BNC-BNC , 3 m
GRAS AA0036	BNC-BNC , 5 m
<a href="#">GRAS AA0037</a>	BNC-BNC , 10 m

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GRAS KM0094	KEMAR PELI
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## KEMAR □□□□

GRAS KB3000	KEMAR
GRAS KB3001	KEMAR

## KEMAR □□

GRAS AL0026	KEMAR , Ø 35 mm
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GRAS KB0000	KEMAR
GRAS KB0010	KEMAR T

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

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