GRAS 45BB-14

KEMAR 2 CCP





(0 V/CCP)

ANSI: S3.36, S3.25 IEC: 60318-4

ITU-T Rec. P.57 Type 3.3

ITU-T Rec. P.58

45BB-14 KEMAR TEDS

20 kHz LEMO <u>GRAS 45BB-13 KEMAR</u>



GRAS 45BB-14 KEMAR 2 CCP

Technology

ПП KEMAR Knowles 1972 KEMAR.us S3.36/ASA58-2012 IEC 60318-7:2011 **KEMAR** DUT KEMAR KEMAR GRAS 45BB KEMAR 45BB KEMAR KEMAR 45BB KEMAR KEMAR TEDS [[[[20 kHz 45BB-14 KEMAR CCP KEMAR IEEE 1451.4 TEDS v. 1.0 (TEDS) **KEMAR** 45BB-14 KEMAR **KEMAR USB** 45BB-14 GRAS RA0402 KB5000/KB5001 RA0402 RA0402 IEC 60318-4 10 kHz 13.5 kHz 20 kHz IEC 60318-4 IEC 60318-4 10 kHz 20 kHz THD ±2.2 dB IEC 60318-4 ITU-T P.57 **GRAS 40A0 1/2** RA0402 35 Shore 00



KEMAR

GRAS 45BB-14 KEMAR 2 CCP

Specifications

Connector type		BNC
Set sensitivity @ 250 Hz (±2 dB)	mV/Pa	12.5
Set sensitivity @ 250 Hz (±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 CCP preamplifier	dB	150
Resonance frequency	kHz	13.5
Temperature range, operation	°C / °F	-30 to 60 / -22 to 140
Temperature range, storage	°C / °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 recommondations		P. 58
Weight	g / oz	11.45 k / 404



Ordering info

GRAS 45BB	KEMAR Head & Torso, Non-configured
<u>GRAS KB5000</u>	Large Right Anthropometric Pinna 35 Shore 00
<u>GRAS KB5001</u>	Large Left Anthropometric Pinnar 35 Shore 00
GRAS RA0402	Prepolarized High-Frequency Ear Simulator (2 pcs)
GRAS GR1874	Ear Simulator Holder
GRAS GR0408	External Ear Canal
GRAS GR0409	Union Nut
GRAS 26CS	1/4" CCP Short Preamplifier (2 pcs)
<u>GRAS RA0001</u>	Adapter for 1/2" Microphone and 1/4" Preamplifier (2 pcs)
GRAS AA0018-S	Microdot-BNC Cable, 35 cm (2 pcs)
<u>GRAS AA0035</u>	BNC-BNC Cable, 3 m (2 pcs)

GRAS 12AL	1-Channel CCP Power Module with A-weighting filter
GRAS 12AQ	2-Channel Universal Power Module with signal conditioning and PC interface

GRAS 42AP	Intelligent Pistonphone (250 Hz or 251.2 Hz, 114 dB +/- 0.05 dB)
GRAS 42AA	Pistonphone (250 Hz, 114 dB +/- 0.08 dB)



Ordering info

<u>GRAS KB5000</u>	Large Right Anthropometric Pinna 35 Shore 00
<u>GRAS KB5001</u>	Large Left Anthropometric Pinnar 35 Shore 00
GRAS KB0060	KEMAR Small Right Straight Pinna 55 Shore 00
<u>GRAS KB0061</u>	KEMAR Small Straight Pinna 55 Shore 00
<u>GRAS KB0065</u>	KEMAR Large Straight Pinna 55 Shore 00
GRAS KB0066	KEMAR Large Left Straight Pinna 55 Shore 00
GRAS KB1060	KEMAR Small Right Straight Pinna 35 Shore 00
GRAS KB1061	KEMAR Small Left Straight Pinna 35 Shore 00
GRAS KB1065	KEMAR Large Right Straight Pinna 35 Shore 00
GRAS KB1066	KEMAR Large Left Straight Pinna 35 Shore 00
<u>GRAS KB0090</u>	KEMAR Large Right Tapered Pinna (VA-Style/SQ) 55 Shore 00
GRAS KB0091	KEMAR Large Left Tapered Pinna (VA-Style/SQ) 55 Shore 00
<u>GRAS KB1090</u>	KEMAR Large Right Tapered Pinna (VA-Style) 35 Shore 00
GRAS KB1091	KEMAR Large Left Tapered Pinna (VA-Style) 35 Shore 00

GRAS KB0110	Ear Mould Simulator for 2 mm Inner diameter tubing
<u>GRAS KB0111</u>	Ear Mould Simulator for 3 mm Inner diameter tubing

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GRAS RA0237	Straight Ear Canal Extension Kit for KEMAR
GRAS RA0238	VA-tapered Ear Canal Extension Kit for KEMAR
GRAS RA0239	Ear Canal Extension Kit w. silicone lining for KEMAR
GRAS RA0240	Holder for long 1/2" Microphone Kit for KEMAR
GRAS RA0241	Holder for short 1/2" Microphone Kit for KEMAR



GRAS 45BB-14 KEMAR 2 CCP

Ordering info

GRAS RA0243	Holder for 1/4" Microphone Kit for KEMAR
GRAS RA0244	O-ring kit for KEMAR
GRAS RA0249	Straight Ear Canal Extension Kit for KEMAR, made of POM, for binaural hearing aid test
GRAS RA0250	Tapered Ear Canal Extension Kit for KEMAR,made of POM, for binaural hearing aid test

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.
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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

GRAS KM0094	PELI Case for KEMAR

KEMAR || || ||

GRAS KB3000	3D Simulation Model of KEMAR with large pinnae, stp file
GRAS KB3001	3D Simulation Model of KEMAR with small pinnae, stp file
GRAS KB3002	3D Simulation Model of KEMAR with anthropometric pinnae, stp file



Ordering info

KEMAR □□

GRAS AL0026	Loudspeaker stand for KEMAR, & 35 mm

GRAS KB0000	KEMAR Handbook
GRAS KB0010	T-Shirt for KEMAR

GRAS Sound & Vibration



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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

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