# **GRAS 45BB-15**

KEMAR 2 LEMO





200 V/LEMO

ANSI: S3.36, S3.25 IEC: 60318-7

ITU-T Rec. P.57 Type 3.3, ITU-T Rec. P.58

45BB-15 KEMAR GRAS 45BB-16 KEMAR CCP



## Technology

#### GRAS 45BB-15 KEMAR 2 LEMO

ПП **KEMAR** DUT KEMAR Knowles 1972 KEMAR.us S3.36/ASA58-2012 IEC 60318-7:2011 KEMAR KEMAR GRAS 45BB KEMAR 45BB KEMAR KEMAR 45BB KEMAR KEMAR 50 kHz 45BB-15 KEMAR 45BB-15 KEMAR **USB** 45BB-15 GRAS RA0403 **KEMAR** 2 KB5000/KB5001 5 KEMAR RA0403 RA0403 IEC 60318-4 10 kHz 13.5 kHz 50 kHz IEC IEC 60318-4 10 kHz 20 kHz 60318-4 ±2.2 dB 20 kHz 50 kHz ±3.2 dB THD IEC 60318-4 / ITU-T P.57 **GRAS 40BP 1/4** RA0403

35 Shore 00

GRAS

**KEMAR** 

#### GRAS 45BB-15 KEMAR 2 LEMO

# Specifications

Connector type		3 m 7-pin LEMO
Set sensitivity @ 250 Hz (±2 dB)	mV/Pa	1.6
Theoretical dynamic range lower limit with GRAS preamplifier	dB(A)	44
Theoretical dynamic range upper limit with GRAS preamplifier @ +120 V / ±60 V power supply	dB	169
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		60318-7
Weight	g / oz	11.45 k / 404



# Ordering info

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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 Pinna 35 Shore 00
GRAS RA0403	Hi-Res Ear Simulator (2 pcs)
GRAS GR1874	Ear Simulator Holder
GRAS GR0408	External Ear Canal
GRAS GR0409	Union Nut
GRAS 26AS-S3	1/4" Preamplifier, Short version with 0.4 m Cable (2 pcs)
GRAS AA0008	LEMO 7-pin - LEMO 7-pin Cable, 3 m (2 pcs)

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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

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

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GRAS KB0060	KEMAR Small Right Straight Pinna 55 Shore 00
GRAS KB0061	KEMAR Small Left Straight Pinna 55 Shore 00
<u>GRAS KB0065</u>	KEMAR Large Right Straight Pinna 55 Shore 00
<u>GRAS KB0066</u>	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 45BB-15 KEMAR 2 LEMO

# Ordering info

<u>GRAS KB1065</u>	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

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GRAS KB0110	Ear Mould Simulator for 2 mm Inner diameter tubing
GRAS KB0111	Ear Mould Simulator for 3 mm Inner diameter tubing

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GRAS RA0250	Tapered Ear Canal Extension Kit for KEMAR, made of POM, for binaural hearing aid test
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 RA0243	Holder for 1/4" Microphone Kit for KEMAR
GRAS RA0244	O-ring kit for KEMAR, 2 pcs.
GRAS RA0249	Straight Ear Canal Extension Kit for KEMAR, made of POM, for binaural hearing aid test

### KEMAR

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 45BB-15 KEMAR 2 LEMO

## Ordering info

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GRAS AA0008	LEMO 7-pin - LEMO 7-pin Cable, 3 m
GRAS AA0009	LEMO 7-pin - LEMO 7-pin Cable, 10 m

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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

## KEMAR $\square$

GRAS AL0026	Stand for KEMAR, & 35 m

## □□ **(45BB** □□**)**

GRAS KB0000	KEMAR Handbook
GRAS KB0010	T-Shirt for KEMAR

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