

GRAS 45BB-13

KEMAR

2 LEMO



(200 V/LEMO)

2

ANSI S3.36, S3.25

IEC 60318-4ITU-T

P.57 3.3 ITU-T P.58

45BB-13 KEMAR

CCP

[GRAS 45BB-14 KEMAR](#)

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KEMAR Knowles 1972
KEMAR.us ANSI
S3.36/ASA58-2012 IEC 60318-7:2011
KEMAR KEMAR GRAS

DUT

45BB KEMAR	45BB KEMAR	20 kHz	45BB-13 KEMAR
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45BB-13	KEMAR	KEMAR	5 6
	USB		
45BB-13	GRAS RA0401	KB5000/KB5001	

RA0401	IEC 60318-4	10 kHz	13.5
kHz		20 kHz	IEC
60318-4	IEC 60318-4	10 kHz	20 kHz
±2.2 dB		THD	
IEC 60318-4 / ITU-T P.57			

0401

35 Shore 00

KEMAR

KEMAR

Connector type		3 m 7-pin LEMO
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 preamplifier @ +28 V / ± 14 V power supply	dB	153
Theoretical dynamic range upper limit with GRAS preamplifier @ +120 V / ± 60 V power supply	dB	164
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)
Weight	g / oz	11.45 k / 404



GRAS 45BB	KEMAR Head & Torso, Non-configured
GRAS KB5000	Large Right Anthropometric Pinna 35 Shore 00
GRAS KB5001	Large Left Anthropometric Pinna 35 Shore 00
GRAS RA0401	High-Frequency 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 GR0010	Adapter for 1/2" Microphone and 1/4" Preamplifier (2 pcs)
GRAS AA0008	LEMO 7-pin - LEMO 7-pin Cable, 3 m (2 pcs)



LEMO 7-pin - LEMO 7-pin Cable, 3 m (2 pcs)

GRAS 12AK	1-Channel Power Module with gain, filters and SysCheck generator
GRAS 12AD	1-Channel Power Module
GRAS 12AA	2-Channel Power Module with gain, filters and SysCheck generator
GRAS 12AR	2-Channel Power Module
GRAS 12AQ	2-Channel Universal Power Module with signal conditioning and PC interface

LEMO 7-pin - LEMO 7-pin Cable, 3 m (2 pcs)

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)

LEMO 7-pin - LEMO 7-pin Cable, 3 m (2 pcs)

GRAS KB0060	KEMAR Small Right Straight Pinna 55 Shore 00
GRAS KB0061	KEMAR Small Left Straight Pinna 55 Shore 00

GRAS KB0065	KEMAR Large Right 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
GRAS KB0090	KEMAR Large Right Tapered Pinna (VA-Style/SQ) 55 Shore 00
GRAS KB0091	KEMAR Large Left Tapered Pinna (VA-Style/SQ) 55 Shore 00
GRAS KB1090	KEMAR Large Right Tapered Pinna (VA-Style) 35 Shore 00
GRAS KB1091	KEMAR Large Left Tapered Pinna (VA-Style) 35 Shore 00

耳模

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

耳道延长套件 (耳模2000)

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 亂備備備備備備備備

[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.

備備備

[GRAS AA0008](#)

LEMO 7-pin - LEMO 7-pin Cable, 3 m

[GRAS AA0009](#)

LEMO 7-pin - LEMO 7-pin Cable, 10 m

備備

GRAS KM0094

PELI Case for KEMAR

KEMAR 亂備備

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 亂

GRAS AL0026

Loudspeaker Stand for KEMAR, Ø 35 m

備備

GRAS KB0000

KEMAR Handbook

GRAS KB0010

T-Shirt for KEMAR

GRAS Sound & Vibration

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Subsidiaries and distributors in more than 40 countries

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