

KEMAR Head and Torso Simulators



KEMAR is a head and torso simulator which is factory configured for hearing aid tests, ear- and headphone tests or sound quality recordings. Introduced in 1972 by Knowles Electronics and acquired by GRAS in 2005, it is the origin of all other head and torso simulators and thus the industry standard for in situ anthropomorphic testing of all kinds of hearing instruments and head- and earphones.

KEMAR is available with and without mouth simulator. It meets the requirements of ANSI S3.36 and IEC 60318-7 and can be configured with more sizes of standardized pinna

simulators, the IEC 60318-4 Ear Simulators or various ½" and ¼" pressure microphones for binaural recordings. KEMAR accommodates for LEMO as well as CCP preamplifiers which are all electrically accessible from the connector panel on the back. Additionally, all CCP configurations are IEEE 1451.4 TEDS v. 1.0 compliant.

The preconfigured KEMAR models include ear simulators, microphones, preamplifiers and pinnae for specific applications. They are delivered fully assembled and tested in one box.



GRAS 45BB

45BB KEMAR Head & Torso

A number of rubber pinnae (small and large, soft and hard, anthropometric and wide aperture) are available. 3D-simulation models (step files) of KEMAR with pinnae are also available. See page 102.



GRAS 45BC

45BC KEMAR Head & Torso with Mouth Simulator

KEMAR Configurations

45BB	45BB-1	KEMAR Head & Torso for Hearing Aid Test, 1-Ch LEMO
	45BB-2	KEMAR Head & Torso for Hearing Aid Test, 1-Ch CCP
	45BB-3	KEMAR Head & Torso for Sound Quality Recording, 2-Ch LEMO
	45BB-4	KEMAR Head & Torso for Sound Quality Recording, 2-Ch CCP
	45BB-5	KEMAR Head & Torso for Ear- and Headphone Test, 2-Ch LEMO
	45BB-6	KEMAR Head & Torso for Ear- and Headphone Test, 2-Ch CCP
	45BB-7	KEMAR Head & Torso for Test of Binaural Hearing Aid, 2-Ch LEMO
	45BB-8	KEMAR Head & Torso for Test of Binaural Hearing Aid, 2-Ch CCP
	45BB-9	KEMAR with Anthropometric Pinnae for Ear- and Headphone Test, 2-Ch LEMO
	45BB-10	KEMAR with Anthropometric Pinnae for Ear- and Headphone Test, 2-Ch CCP
	45BB-11	KEMAR with Anthropometric Pinnae for Low-noise Ear- and Headphone Test, 1-Ch LEMO
	45BB-12	KEMAR with Anthropometric Pinnae for Low-noise Ear- and Headphone Test, 2-Ch LEMO
	45BB-13	KEMAR for High-Frequency Test of Ear- and Headphones, 2-Ch LEMO
	45BB-14	KEMAR for High-Frequency Test of Ear- and Headphones, 2-Ch CCP
	45BB-15	KEMAR for Hi-Res Test of Ear- and Headphones, 2-Ch LEMO
	45BB-16	KEMAR for Hi-Res Test of Ear- and Headphones, 2-Ch CCP
45BC	45BC-1	KEMAR Head & Torso with Mouth Simulator for Headset Test, 2-Ch LEMO
	45BC-2	KEMAR Head & Torso with Mouth Simulator for Headset Test, 2-Ch CCP
	45BC-3	KEMAR Head & Torso with Mouth Simulator for Telephone Test, 1-Ch LEMO
	45BC-4	KEMAR Head & Torso with Mouth Simulator for Telephone Test, 1-Ch CCP
	45BC-9	KEMAR with Mouth Simulator and Anthropometric Pinnae for Headset Test, 2-Ch LEMO
	45BC-10	KEMAR with Mouth Simulator and Anthropometric Pinnae for Headset Test, 2-Ch CCP
	45BC-11	KEMAR with Mouth Simulator and Anthropometric Pinnae for Low-noise Headset Test, 1-Ch LEMO
	45BC-12	KEMAR with Mouth Simulator and Anthropometric Pinnae for Low-noise Headset Test, 2-Ch LEMO
	45BC-13	KEMAR with Mouth Simulator for High-Frequency Headset Test, 2-Ch LEMO
	45BC-14	KEMAR with Mouth Simulator for High-Frequency Headset Test, 2-Ch CCP
	45BC-15	KEMAR with Mouth Simulator for Hi-Res Test of Headsets, 2-Ch LEMO
	45BC-16	KEMAR with Mouth Simulator for Hi-Res Test of Headsets, 2-Ch CCP

