



Features

MK2B is a Binaural Artificial Head with a detailed torso/shoulders & head design. The body is made of rugged polyester coated with tough DuPont NEXTEL. The ears are made of tear resistant silicone rubber; together with head and torso, moulded to anatomically precise contours. All the dimensions, the microphones position at the ear drum and the acoustic directivity are in accordance with IEC 959 (DIN V 45608) standard. The ears can be easily pulled out for a fast and relevant calibration. The MK2B can be optionally equipped with either a FST floor stand or a SST seat stand (as presented on figure beside). The MK2B is equipped with built in 200 V class 1 condenser microphones. The MK2B can be connected to any acquisition frontend for sound quality measurements (assuming an adaptation cable - on request).

Applications

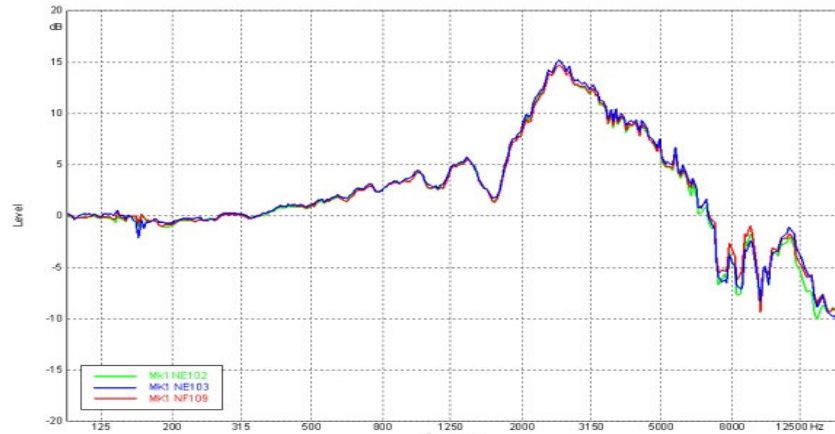
Automotive industry:	manufacturers and suppliers who are involved in the improvement of the acoustic confort of car interiors
PC industry	for the reduction of noise PC fans
Household appliances	
Army	for the study of fire gun damages on human ears
Universities	involved in sound perception researches

Options & Accessories

COC3047000	Floor Stand Accessory to maintain to MK on a seat (car applications)
COC3050000	Seat Stand Accessory to hold the MK (industry applications)
COC348000	Flight case Accessory for the secure transportation of the MK & its accessories

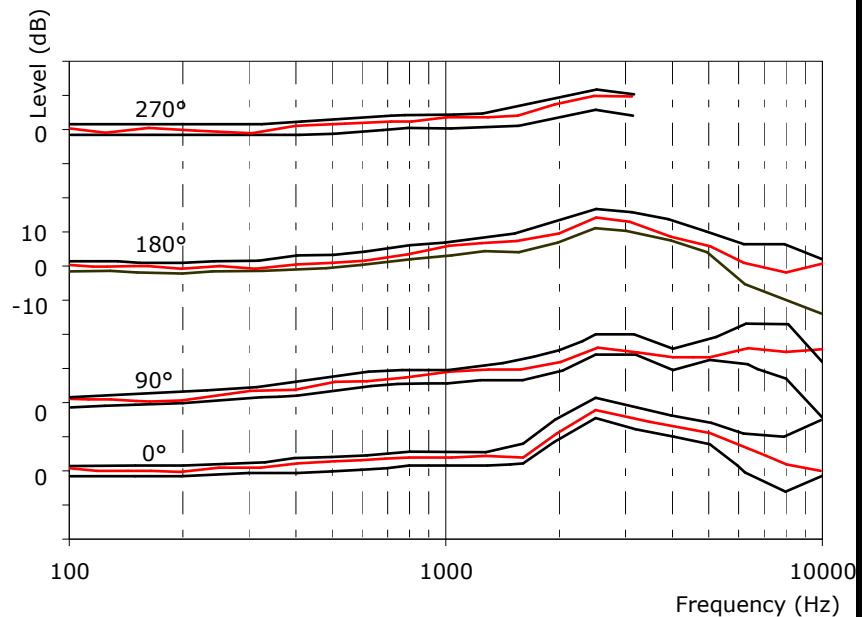
REPETABILITY

As any measuring system, repeatability is a topic of first importance. In the case of a manikin, the production process has to be fully controlled due to the amount of technologies implied. MK2B is a completely repeatable metrologic system as illustrated on figure beside showing 3 MK2B responses for a front view incidence of the sound field.



FIT TO STANDARDS

The directivity of the MK2B fit to the IEC959 standard which provides min. and max level curves for the frequency response of the manikin at 4 angular positions of a source. The red curves corresponds to the frequency response of the MK2B for the different locations of the source.



SPECIFICATIONS

Order Code	COC33200
Color	Gray
Weight	14 lbs (7 kg)
Dimensions	205 x 169 x 94 inch (520 x 430 x 240 cm)
Directivity	In acc. with IEC 959 & DIN V 45608
Output compatibility	2 analog outputs (Left & right ears)
Frequency range free-field	3,5 Hz ... 8 kHz (± 1 dB)
Sensitivity	50 mV/Pa
Max. SPL for THD < 3 % at 1 kHz	146 dB
Inherent noise	15 dBA
Polarisation voltage	200 V

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