

BHead230/248 is an artificial head for acoustic measurement and recording. The BHead230 /248 has simple design concept, which is “TO PUT MICROPHONES IN THE EARS”. There is no fancy electronics or digital processing in the BHead230/248, just two microphones. The BHead200 accurately reproduces all acoustically relevant parts of the human outer ear, allowing aurally accurate binaural recordings of sound events. The main features are:

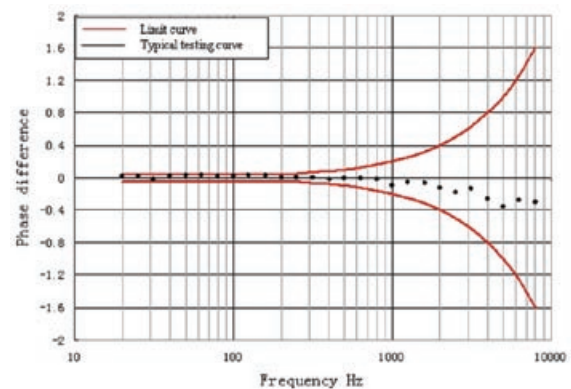
- Simple design and easy calibration
- Using two ICCP microphones, the signals can be directly to the analyzers and recorders
- Excellent phase matched microphones to ensure the binaural effects of hearing
- Large dynamic range from 25 dBA to 135 dBA

BHead230/248 uses analog techniques for signal output. This technology eliminates any additional errors causing by digital converters and filters. It can be used in the same way as conventional microphones.

APPLICATIONS

BHead BHead230/248 is designed for wide range of applications.

- Binaural recordings for sound quality analysis.
- Testing for headphones, earphones and audio products.
- Stereo recording for performing arts.
- Measurements of hearing protectors



Phase differences of two microphones in BHead 230/248

SPECIFICATIONS

Artificial Head		
Model	BHead230	BHead248
Microphones Type	MP251	MP251
Sensitivity	-40 dB (10mV/Pa)	-40 dB (10mV/Pa)
Frequency Range	20 Hz ~ 20 kHz	20 Hz ~ 20 kHz
Power Required	ICCP	48V phantom
Dynamic Range	25 ~ 135 dBA	25 ~ 135 dBA
Background Noise	<25 dBA	<25 dBA
Phase Match	± 0.5 ° up to 8000 Hz	± 0.5 ° up to 8000 Hz
Sen. Match	± 0.2 dB	± 0.2 dB
Crosstalk	- 80 dB	- 80 dB
Output	BNC	XLR
Tripod Thread	UNC 3/8"	UNC 3/8"
Weight	6.0 kg	6.0 kg

