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PAH 01

ARTIFICIAL HEAD BINAURAL
RECORDING AND
ACOUSTICAL MEASUREMENT

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PLACID INSTRUMENTS BV

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PLACID

Artificial Head Binaural Recording And Acoustical Measurements

PLACID PAH - 01

A soft artificial ear is easy to assemble so calibration can be done easily. The electroacoustic signal output from the 2 matched microphones is very stable. Microphones comply with IEC61072-1 standard.



SPECIFICATION

Built-in microphone model	PMP27
Microphone directivity	Omnidirectional
Sensitivity	-36 dB re 1 V at 1 Pa
Frequency Range	20 Hz – 20000 Hz
Impedance	2.2 KΩ
Maximum input sound pressure level (3% THD @ 1KHz)	155 dB (0 dB SPL = 2 × 10 ⁻⁵ Pa)
Signal to noise ratio (rel. 94 dB SPL)	72 dB
Noise floor	22 dBA
Power supply	48 V phantom power
Connector	3 pin XLR



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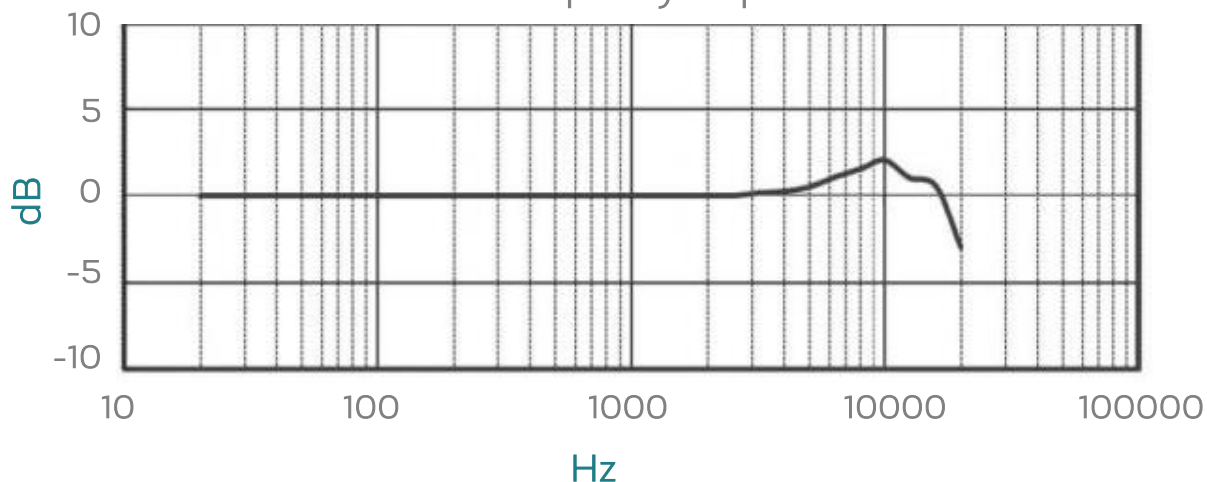
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Microphone sensitivity 

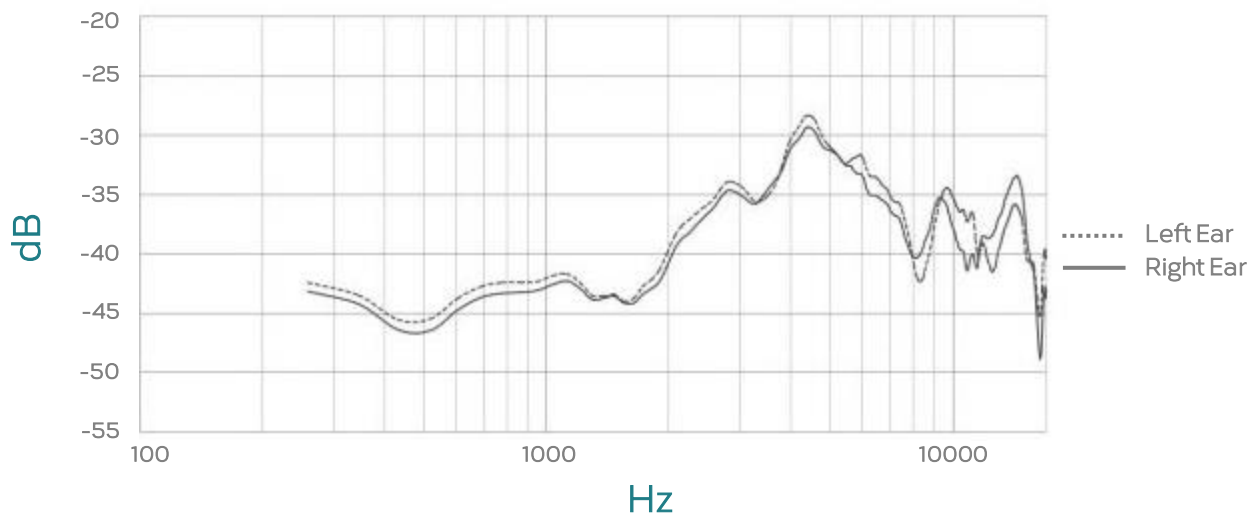
PMP 27 Frequency response



Artificial Head microphone sensitivity HRTF (Head-related transfer function)

Values are shown below

The sound source is located in front of the HRTF



HRTF GRAPH ARTIFICIAL HEAD FRONT



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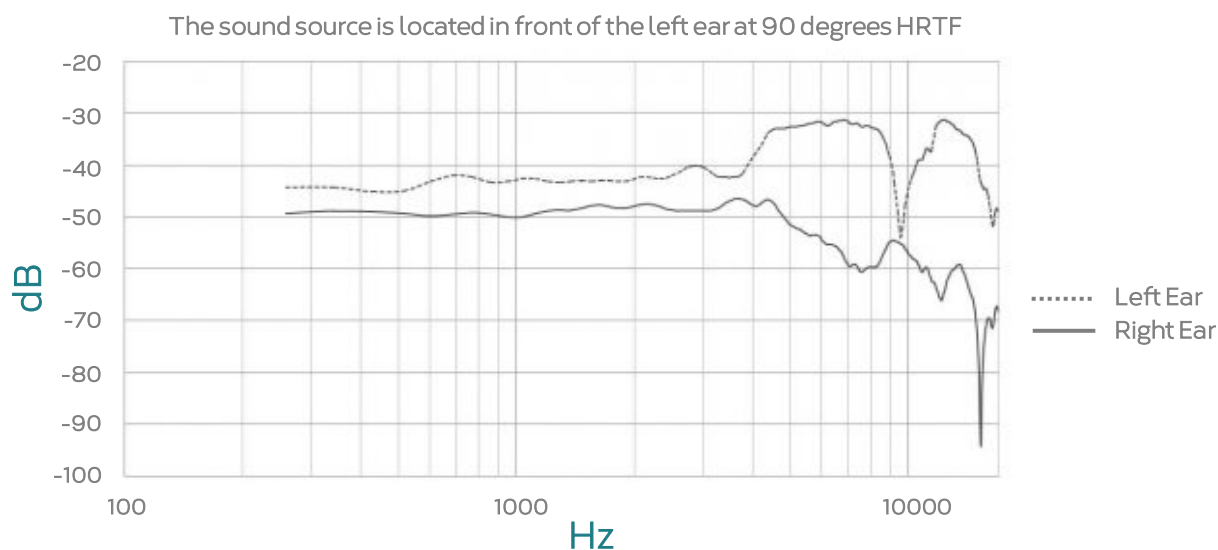
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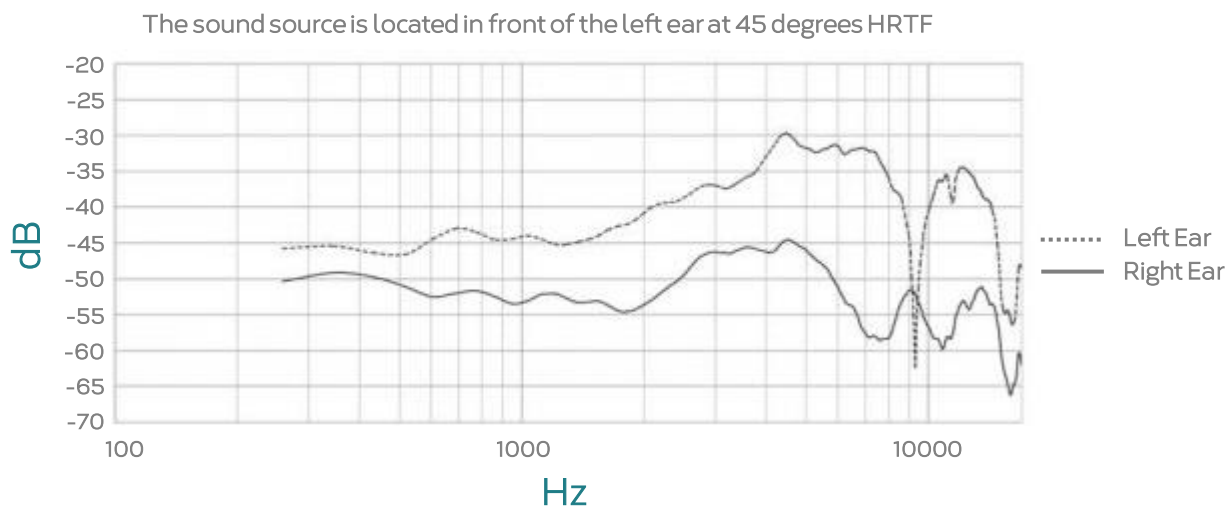
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Artificial Head microphone sensitivity HRTF (Head-related transfer function)
Values are shown below



HRTF GRAPH ARTIFICIAL HEAD LEFT 90 DEGREES



HRTF GRAPH ARTIFICIAL HEAD LEFT 45 DEGREES