



ACCURATE & EASY TO USE

Discover a wide selections of our
sound measurement equipments according to your
sound measurement needs

ARTIFICIAL HEAD BINAURAL RECORDING AND
ACOUSTICAL MEASUREMENT

PLACID PAH - 01

www.placidinstruments.com



New Calibrated
Instruments for
Registering Noise
and Vibration

Placid Instruments BV
Westplein 12-14 3016 BM Rotterdam The
Netherlands
+31103104907 
info@placidinstruments.com 
www.placidinstruments.com

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 K Ω
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



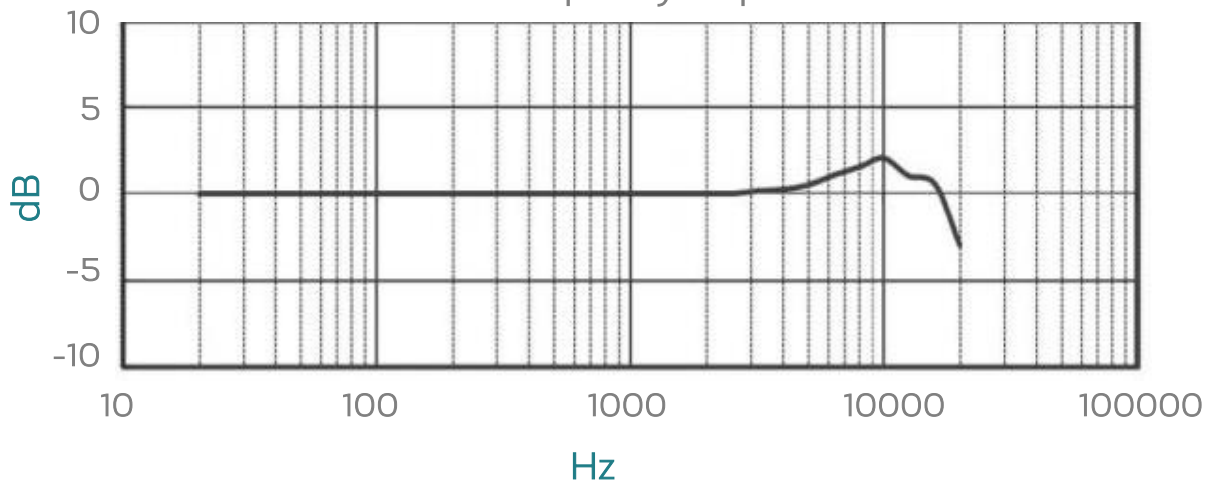


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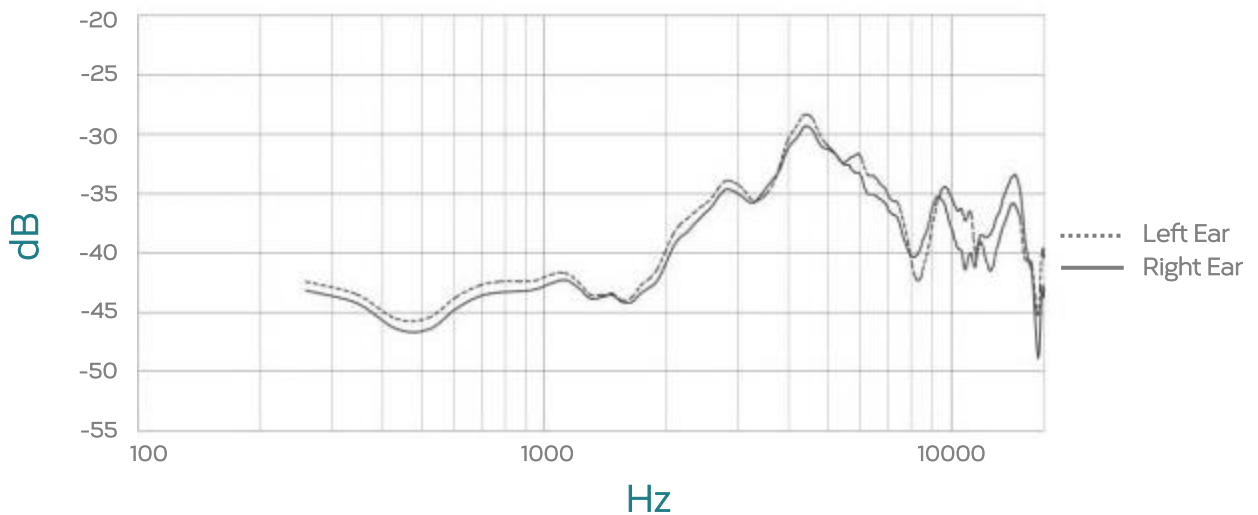
Microphone sensitivity

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



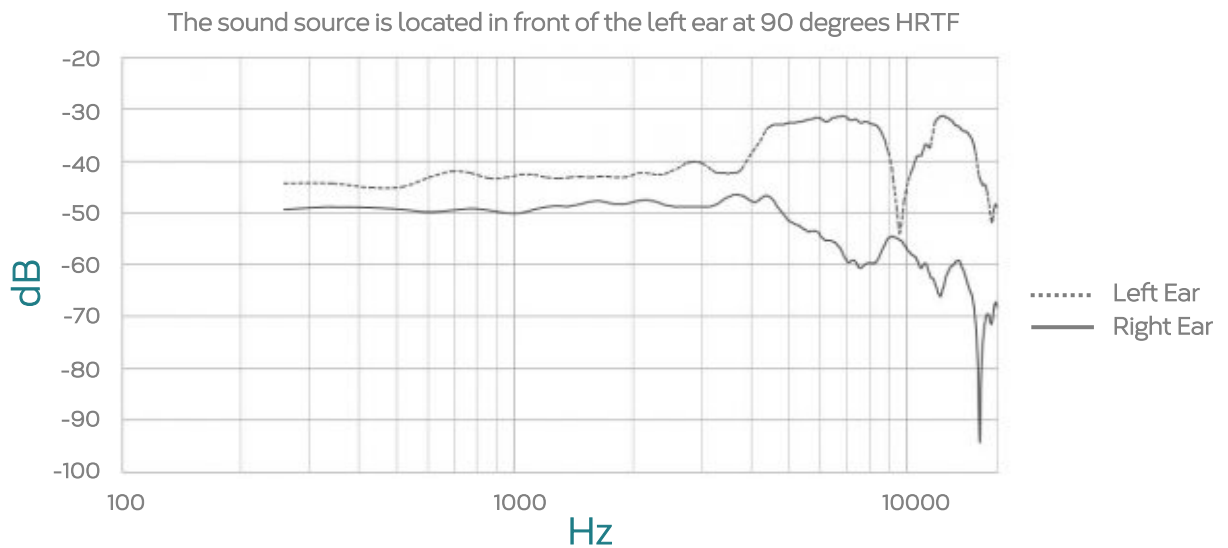
HRTF Graph Artificial head front



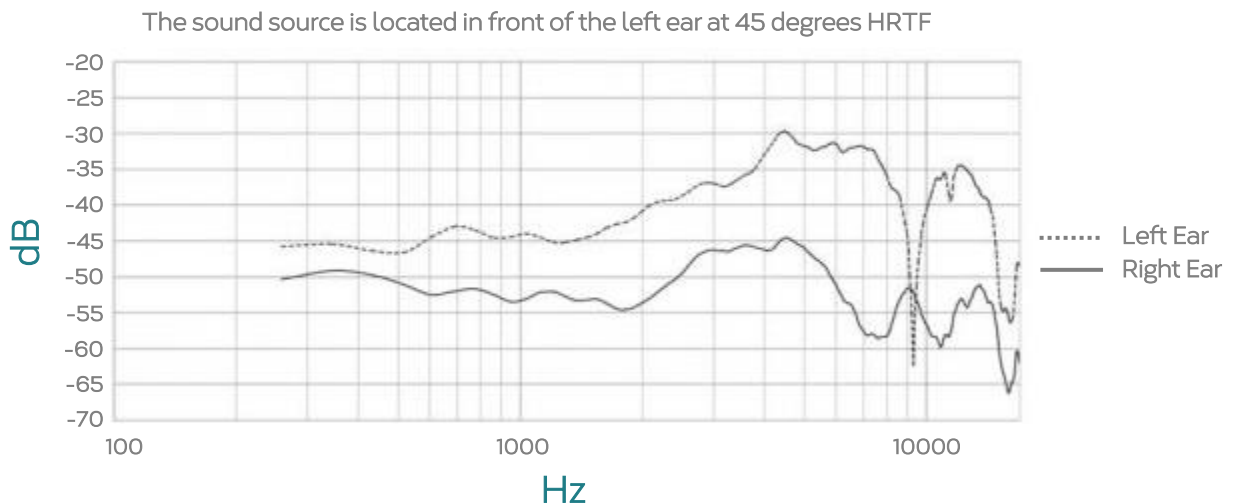
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Artificial Head microphone sensitivity HRTF (Head-related transfer function)
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HRTF Graph Artificial head left 90 degrees



HRTF Graph Artificial head left 45 degrees