



# 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](http://www.placidinstruments.com)



PLACID INSTRUMENTS BV

Newtonlaan 115 Office No. 2.21 3584 BH UTRECHT, THE NETHERLANDS

Phone Landline: +31 302106021

Worldwide (except Europe): +31 613915102

Europe: +31 622813335

[info@placidinstruments.com](mailto:info@placidinstruments.com)

[www.placidinstruments.com](http://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 $\Omega$
Maximum input sound pressure level ( 3% THD @ 1KHz )	155 dB ( 0 dB SPL = $2 \times 10^{-5}$ 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





**PLACID INSTRUMENTS BV**

Newtonlaan 115 Office No. 2.21 3584 BH UTRECHT, THE NETHERLANDS

Phone Landline: +31 302106021

Worldwide (except Europe): +31 613915102

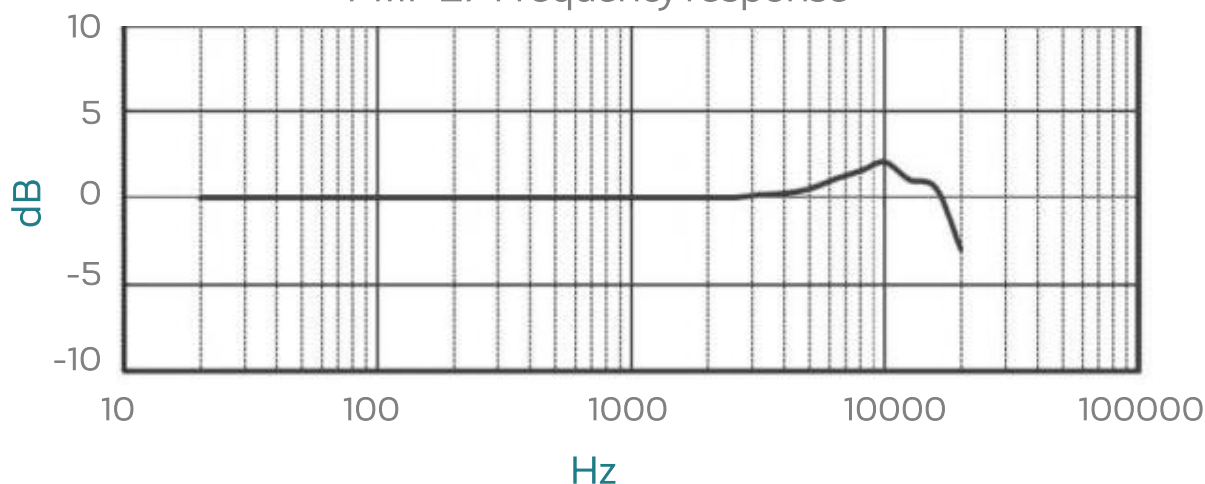
Europe: +31 622813335

[info@placidinstruments.com](mailto:info@placidinstruments.com)

[www.placidinstruments.com](http://www.placidinstruments.com)

## Microphone sensitivity

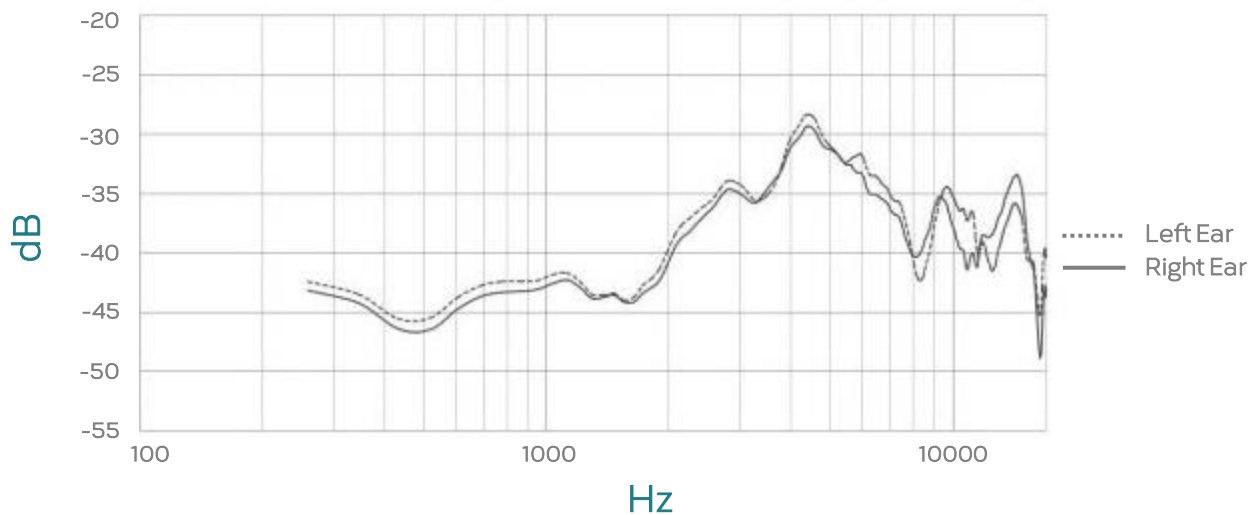
### PMP 27 Frequency response



## 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





**PLACID INSTRUMENTS BV**

Newtonlaan 115 Office No. 2.21 3584 BH UTRECHT, THE NETHERLANDS

Phone Landline: +31 302106021

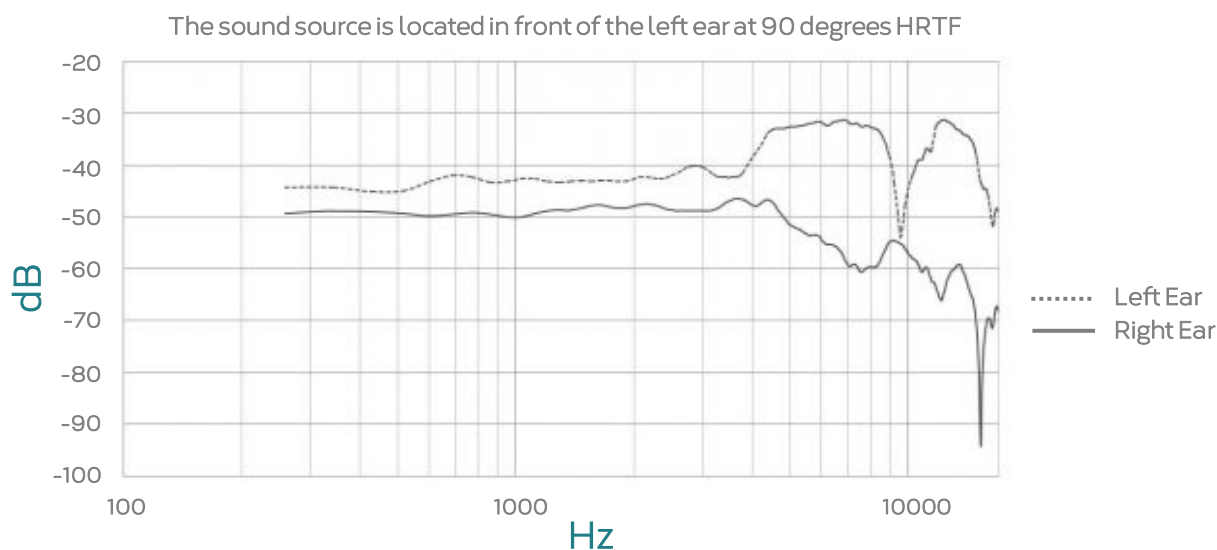
Worldwide (except Europe): +31 613915102

Europe: +31 622813335

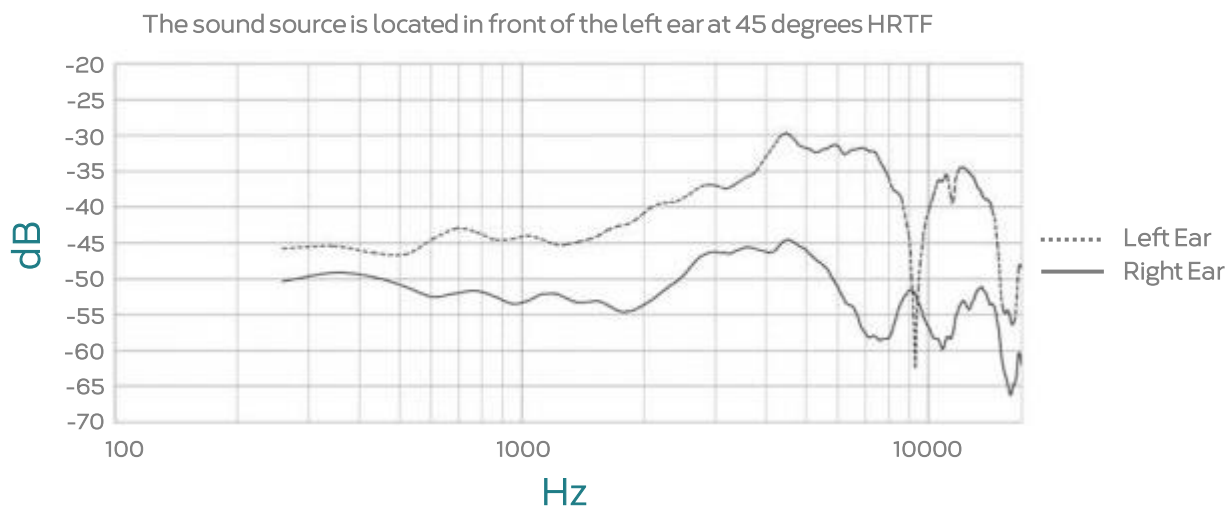
[info@placidinstruments.com](mailto:info@placidinstruments.com)

[www.placidinstruments.com](http://www.placidinstruments.com)

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