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PAH-02

ARTIFICIAL HEAD AND TORSO
BINAURAL RECORDING AND
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PLACID ARTIFICIAL HEAD AND TORSO SIMULATOR

PAH-02



The PLACID PA-H02 is a Head and Torso Simulator (HATS) featuring built-in ear simulators and a mouth simulator. It accurately replicates the acoustic characteristics of an average adult human head and torso, enabling precise binaural acoustic signal acquisition and simulated vocal output from the mouth.

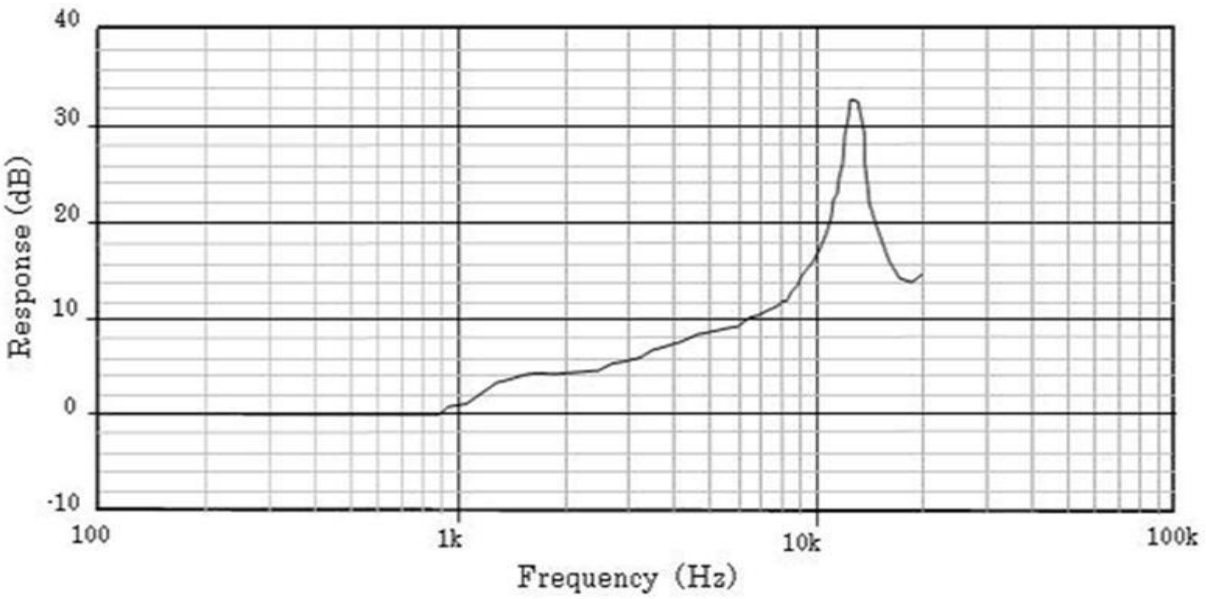
APPLICATIONS

- Headphones
- Microphones
- Binaural Recording
- Telephones
- Hearing Aids
- Mobile Phones

Dimension	356×179×300 (L×W×H) mm.
Weight	3.1 kg

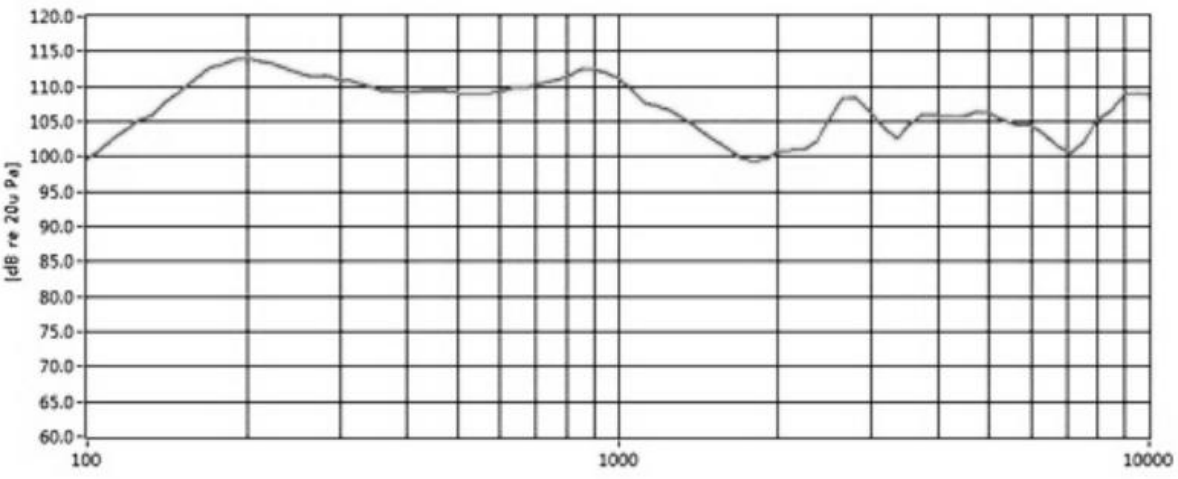
EAR SIMULATOR SPECIFICATIONS

Standard	IEC 60318-4
Frequency Range (re 250 Hz)	±2 dB, 50 Hz to 16 kHz
Sensitivity	-39 dB re 1 V/Pa (±3 dB), 11.2 mV/Pa (@ 250 Hz)
Dynamic Range	25 - 140 dB
Noise Floor	< 30 dB SPL (A-weighted)
Output Impedance	< 50 Ω
Temperature Range	-10 °C to +50 °C
Output Connector	BNC
Power Supply	24V,4mA (IEPE)



MOUTH SIMULATOR SPECIFICATIONS

Standard	IEEE 269, ITU-T Rec. P.51
Min. Continuous SPL Output (at MRP)	110 dB re 20 µPa (100 Hz - 10 kHz)
Distortion	<1.5% (200 Hz - 300 Hz, 94 dB SPL at MRP) <1% (300 Hz - 10 kHz, 94 dB SPL at MRP)
Loudspeaker	Impedance: 4 Ω Max. Continuous Power: 15 W Max. Peak Power: 50 W (for 1s)
Input Connector	BNC
Temperature Range	-10 °C to +50 °C



Frequency Response 1v @MRP



PLACID

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