



## ICON AoHP+4D

Mini-BTE

Directional

High Power, Linear/Output Compression

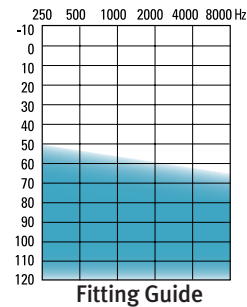
### HEARING AID FEATURES

- Directional microphone decreases sensitivity to sound coming from behind the listener
- Four controls provide full fitting flexibility:
  - L - Active Low-cut Tone
  - H - High-cut Tone
  - C - Compression Threshold
  - P - Power
- Class D circuitry for excellent battery life
- Powerful telecoil with pre-amplifier
- Slim mini-housing
- Volume Control: numbered 1 (low) to 4 (high)
- M-T-O Switch: 3 positions Microphone–Telecoil–Off
- Direct Audio Input – MLx compatible
- Two-tone, beige/taupe housing
- Filtered earhook
- Battery size: 13
- Fitting is supported by NOAH-compatible Unifit or Standalone Unifit

### OPTIONS

- M-MT-O Switch: 3 positions Microphone–Microphone/Telecoil–Off
- Tamper-resistant battery compartment/Volume Control cover
- CROS/BiCROS
- Unfiltered earhook
- Child-sized earhook
- Sideplate colors: opaque taupe, brown and gray; translucent red, green and blue; fluorescent pink and yellow

### SUITABLE FOR FITTING SEVERE TO PROFOUND HEARING LOSSES

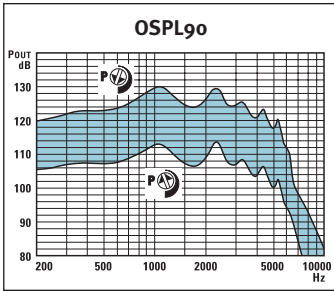


### ANSI S3.22-1996 TECHNICAL DATA

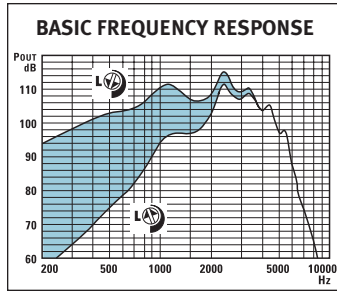
Frequency Range	100-6500 Hz	
P (Power) Control Setting	Min	Max
Peak Gain	68 dB*	68 dB
Peak Output	116 dB	132 dB
Reference Test Gain	50 dB	
HF Average Gain	60 dB*	60 dB
HF Average OSPL90	110 dB	127 dB
Typical Battery Life (Zinc Air Premium)	210 h	265 h
Current Drain at RTP	1.1 mA	1.4 mA
Telephone Magnetic Field Simulator		
HFA SPLITS	105 dB	
STS SPLITS	-5 dB	
Equivalent Input Noise at RTP typical 24 dB	< 27 dB	
Total Harmonic Distortion at RTP		
500 Hz	typical 3%	< 8%
800 Hz	typical 3%	< 6%
1600 Hz	typical 2%	< 6%
(Data applicable at AO=Min)		
Attack Time	<25 ms	
Release Time	200 ms	
Compression Ratio	20:1	

\*At P=Min, reduced input level was used to avoid saturation.

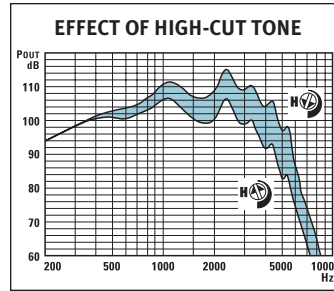
# ICON AoHP+4D MINI-BTE ANSI SPECIFICATIONS



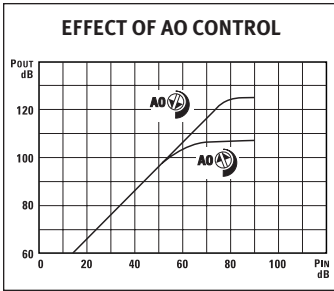
Input sound pressure level: 90 dB  
Volume Control: full on  
L H AO  
Max Max Max



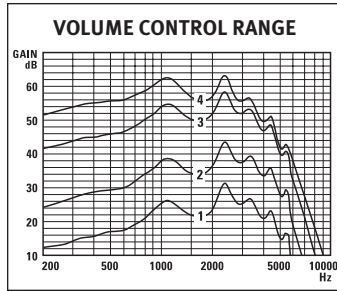
Input sound pressure level: 60 dB  
Volume Control: RTP  
L H AO P  
Max Max Max Max



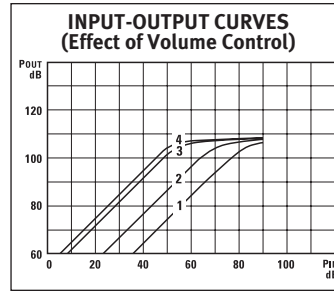
Input sound pressure level: 60 dB  
Volume Control: RTP  
L H AO P  
Max Max Max Max



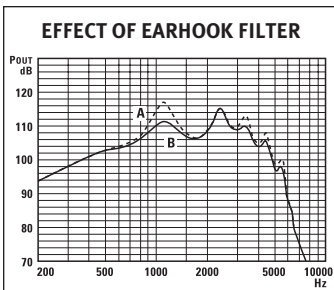
Input at 2000 Hz  
Volume Control: RTP  
L H P  
Max Max Max



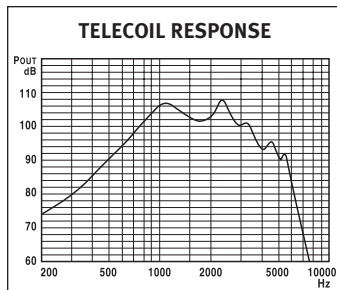
Input sound pressure level: 50 dB  
Volume Control: as shown  
L H AO P  
Max Max Max Max



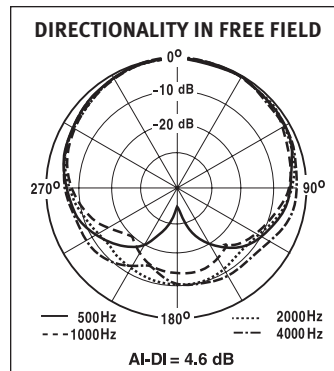
Input at 2000 Hz  
Volume Control: as shown  
L H AO P  
Max Max Min Max



Input sound pressure level: 60 dB  
Volume Control: RTP  
"A" unfiltered, standard  
"B" filtered, optional



Input: 31.6 mA/m  
Volume Control: RTP  
L H AO P  
Max Max Max Max



AI-DI = 4.6 dB

## TEST CONDITIONS

RTP-ANSI: Reference Test Position of the Volume Control: 2.5  
BATTERY: 13 Zinc Air Premium  
SOURCE: Voltage 1.3 V  
Impedance 6 Ohms  
EARHOOK: Filtered  
TUBING: Length 25 mm,  
Inside Diameter 1.93 mm  
Refer to: "Summary of Test  
Conditions and Limits"  
for more details.

## AID MARKING: ICON AoHP 4 D

## COMPLIANCE

Our products are designed to meet all of the limits required when tested in accordance with the applicable standard.

## REFERENCES

ASA: Acoustical Society of America,  
ANSI S3.22-1996  
FDA: Food and Drug Administration,  
Part 801

We reserve the right to change specification data without notice as improvements are introduced.

This product is manufactured under the protection of U.S. Patent #4349082 & #5204917.

Caution: Hearing aids and batteries can be harmful if swallowed or improperly used.

Sound pressure level of this hearing aid exceeds 132 dB SPL.



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