



ICON AoHP⁺4L Mini-BTE

High Power, Linear/Output Compression
Extended Low Frequency Emphasis

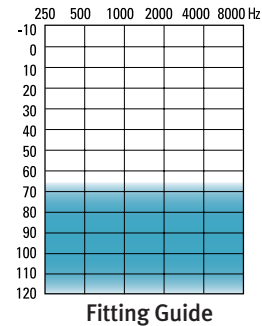
HEARING AID FEATURES

- Four controls provide full fitting flexibility:
 - L - Active Low-cut Tone
 - H - High-cut Tone
 - AO - Compression Threshold
 - P - Power
- Extended Low-frequency emphasis for pronounced low-frequency hearing losses and left corner audiograms
- 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; transparent red, green and blue; fluorescent pink and yellow

SUITABLE FOR FITTING SEVERE TO PROFOUND HEARING LOSSES



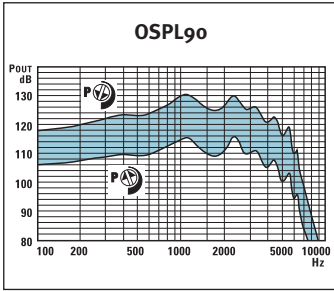
Includes left corner audiograms.

ANSI S3.22-1996 TECHNICAL DATA

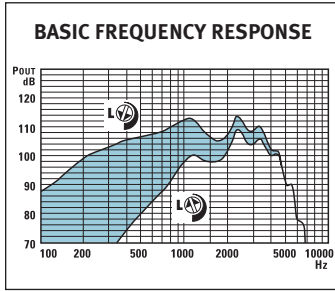
Frequency Range	100-5900 Hz	
P (Power) Control Setting	Min	Max
Peak Gain	75 dB*	75 dB
Peak Output	118 dB	132 dB
Reference Test Gain	50 dB	
HF Average Gain	65 dB*	65 dB
HF Average OSPL90	112 dB	127 dB
Typical Battery Life (Zinc Air Premium)	230 h	175 h
Current Drain at RTP	1.0 mA	1.3 mA
Telephone Magnetic Field Simulator		
HFA SPLITS	100 dB	
STS SPLITS	-10 dB	
Equivalent Input Noise at RTP typical 21 dB	< 24 dB	
Total Harmonic Distortion at RTP		
500 Hz	typical 3%	< 8%
800 Hz	typical 3%	< 8%
1600 Hz	typical 2%	< 8%
(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.

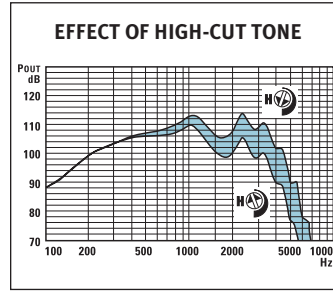
ICON AoHP+4L BTE ANSI SPECIFICATIONS



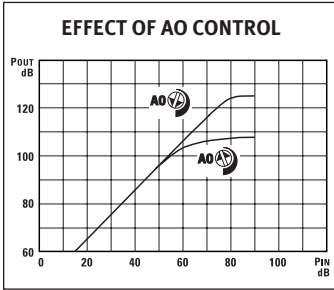
Input sound pressure level: 90 dB
Volume Control: full on
L H AO
Max Max Max



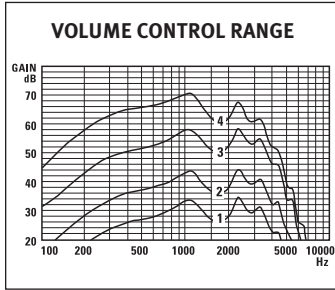
Input sound pressure level: 60 dB
Volume Control: RTP
L H AO P
Max Max Max



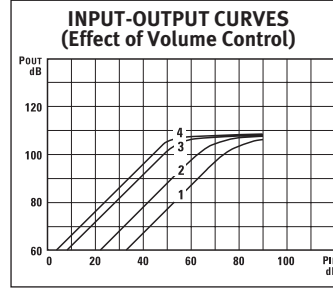
Input sound pressure level: 60 dB
Volume Control: RTP
L H AO P
Max Max Max



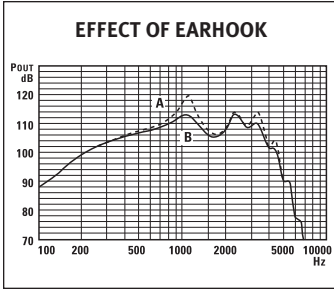
Input at 2000 Hz
Volume Control: RTP
L H P
Max Max Max



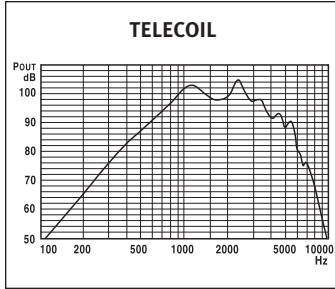
Input sound pressure level: 50 dB
Volume Control: as shown
L H AO P
Max Max Max Max



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, optional
"B" filtered, standard



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

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 L

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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