



Icon AoHP⁺4L Mini-BTE

High Power, Linear/Output Compression
Extended Low-frequency Emphasis

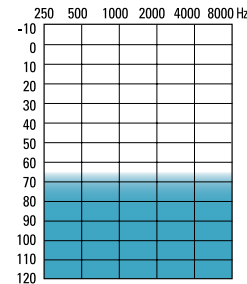
HEARING AID FEATURES

- Four controls for full fitting flexibility:
 - L – Active Low-cut Tone
 - H – High-cut Tone
 - AO – Compression Limiting
 - P – Power
- Controls continuously adjustable with end stops
- Extended low-frequency emphasis for pronounced low-frequency hearing loss 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 colours: opaque taupe, brown and grey; translucent red, green and blue; fluorescent pink and yellow

SUITABLE FOR FITTING SEVERE TO PROFOUND HEARING LOSSES INCLUDING LEFT CORNER AUDIOGRAMS.



Fitting Guide

IEC 118-0 TECHNICAL DATA

Frequency Range	120-6800 Hz	
P (Power) Control Setting	Min	Max
Peak Gain	81 dB*	81 dB
Peak Output	124 dB	140 dB
Reference Test Gain	57 dB	
Full on Average Gain**	72 dB*	72 dB
Average Output**	117 dB	131 dB
Reference Test Frequency	1.6 kHz	
Full on Gain at 1.6 kHz	70 dB	70 dB
Output at 1.6 kHz	117 dB	132 dB
Typical Battery Life (Zinc Air Premium)	290 h	220 h
Current Drain at RTG	1.0 mA	1.3 mA
Output with Inductive Input at 1.6 kHz	95 dB	
Equivalent Input Noise Level at RTG	27 dB	
Data applicable at AO=Min		
Attack Time	< 20 ms	
Release Time	100 ms	
Compression Ratio	20:1	

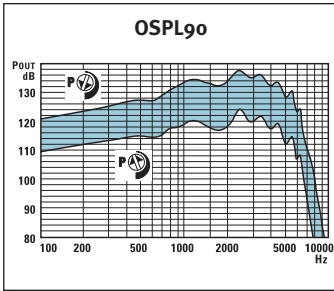
*At P=Min, reduced input level was used to avoid saturation

**Average of 500, 1000 and 2000 Hz

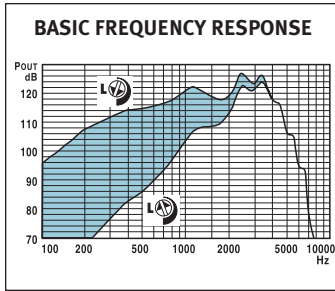
IEC 118-7 2cc COUPLER

Frequency Range	120-6400 Hz
Peak Gain	75 dB
Peak Output	132 dB
Reference Test Gain	50 dB
Full on Gain at 1.6 kHz	61 dB
Output at 1.6 kHz	125 dB

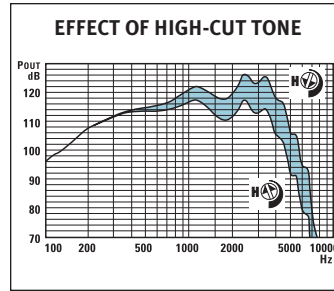
ICON AoHP+4L MINI-BTE IEC 118-0 EAR SIMULATOR SPECIFICATIONS



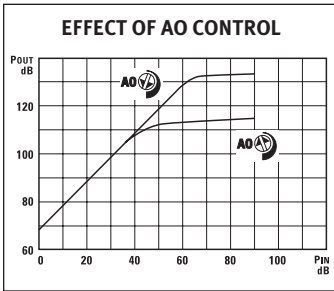
Input sound pressure level: 90 dB
Volume Control: full on
L: Max H: Max AO: Max



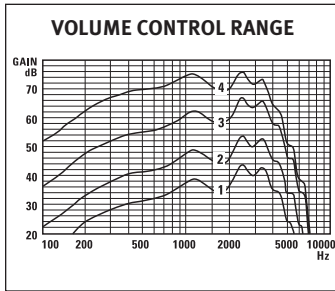
Input sound pressure level: 60 dB
Volume Control: RTG
H: Max AO: Max P: Max



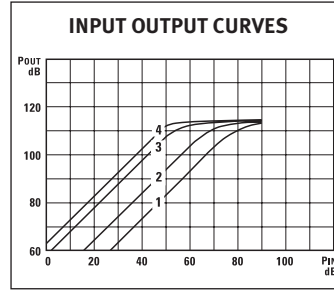
Input sound pressure level: 60 dB
Volume Control: RTG
L: Max AO: Max P: Max



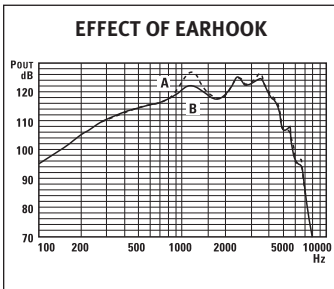
Input at 1600 Hz
Volume Control: full on
L: Max H: Max P: Max



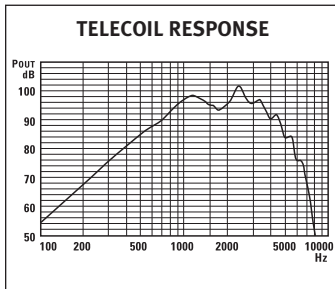
Input sound pressure level: 50 dB
Volume Control: full on
L: Max H: Max AO: Max P: Max



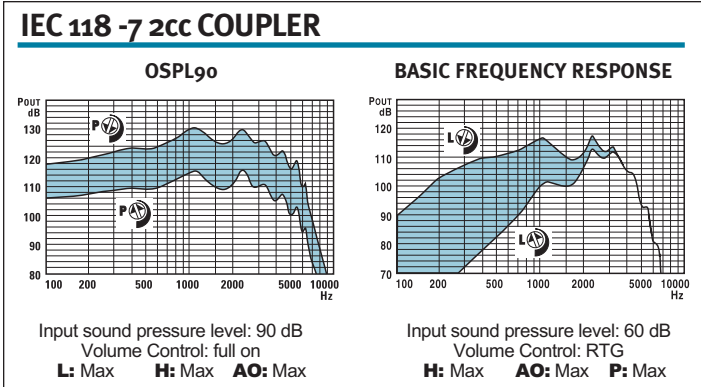
Input at 1600 Hz
Volume Control: as shown
L: Max H: Max AO: Min P: Max



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



Input: 1 mA/m
Volume Control: full on
L: Max H: Max AO: Max P: Max



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

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

TEST CONDITIONS

RTG-IEC: Reference Test Gain 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

IEC: International Electrotechnical Commission Publication 118-0, 118-7 (1983)

European Standard EN60118/A1 February, 1994

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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