



Icon AoHP+4 Mini-BTE

High Power
Linear/Output Compression

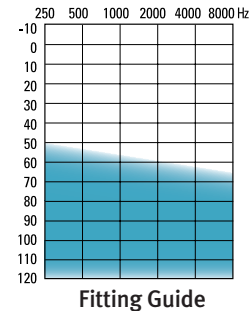
HEARING AID FEATURES

- Four controls provide full fitting flexibility:
 - L - Active Low-cut Tone
 - H - High-cut Tone
 - AO - Compression Limiting
 - P - Power
- Controls continuously adjustable with end stops
- 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
- Unfiltered earhook
- Battery size: 13
- Fitting is supported by NOAH-compatible Unifit software

OPTIONS

- M-MT-O Switch: 3 positions Microphone–Microphone/Telecoil–Off
- O-T-MT-M Switch: 4 positions
Off–Telecoil–Microphone/Telecoil–Microphone
- CROS/BiCROS
- Tamper-resistant battery compartment/volume control cover
- Filtered 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

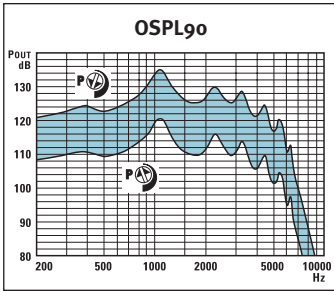


ANSI S3.22-1996 TECHNICAL DATA

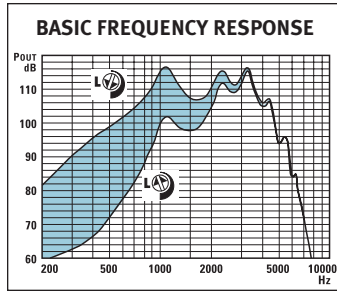
Frequency Range	250-6400 Hz	
P (Power) Control Setting	Min	Max
Peak Gain	78 dB*	78 dB
Peak Output	123 dB	137 dB
Reference Test Gain	52 dB	
HF Average Gain	70 dB*	70 dB
HF Average OSPL90	114 dB	129 dB
Typical Battery Life (Zinc Air Premium)	230 h	175 h
Current Drain at RTP	1.0 mA	1.3 mA
Telephone Magnetic Field Simulator		
HFA SPLITS	99 dB	
STS SPLITS	-13 dB	
Equivalent Input Noise at RTP typical 19 dB	< 23 dB	
Total Harmonic Distortion at RTP		
500 Hz	not applicable	
800 Hz	typical 2%	< 6%
1600 Hz	typical 2%	< 6%
(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

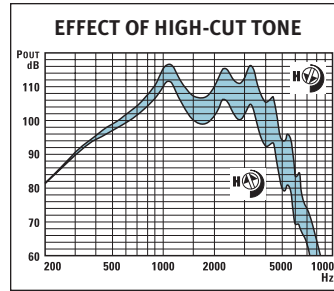
ICON AOHP+4 MINI-BTE ANSI SPECIFICATIONS



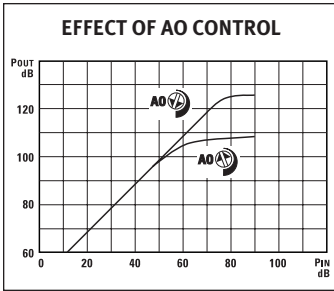
Input sound pressure level: 90 dB
Volume Control: full on
L H AO
Max Max Max



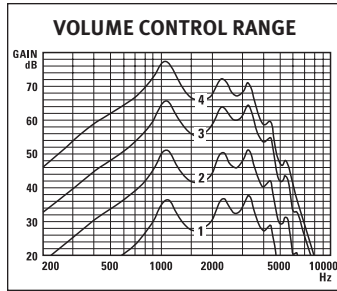
Input sound pressure level: 60 dB
Volume Control: RTP
H AO P
Max Max Max



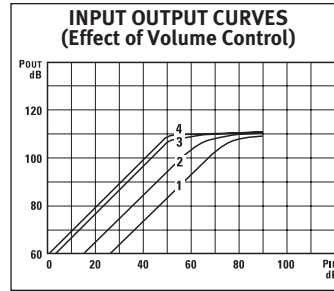
Input sound pressure level: 60 dB
Volume Control: RTP
L AO P
Max Max Max



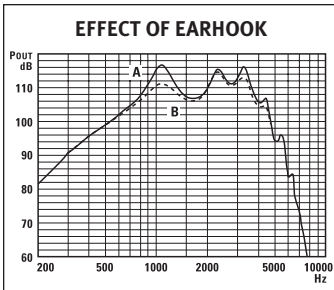
Input at 2000 Hz
Volume Control: RTP
L H P
Max Max Max



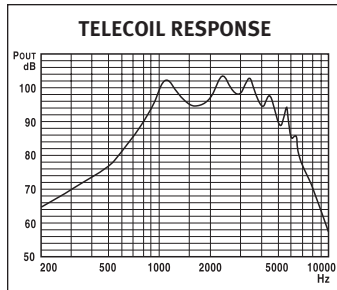
Input sound pressure level: 50 dB
Volume Control: as shown
L H AO P
Max Max Max Max



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

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: Unfiltered
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

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.



CORPORATE OFFICE

Kitchener, Ontario, Canada
877 492 6244; 519 895 0100
fax 519 895 0108

CANADA

Cambridge, Ontario
800 265 8255; 519 650 9111
fax 800 949 6663

U.S.A.

Plymouth, Minnesota
800 888 8882; 763 744 3300
fax 763 557 8828

INTERNATIONAL

Kitchener, Ontario, Canada
519 895 0100
fax 519 895 2318

EUROPE

Bremen, Germany
49 421 43 87 90
fax 49 421 48 81 56

www.unitronhearing.com