



Icon AGCi Mini-BTE

Input Compression, General Purpose

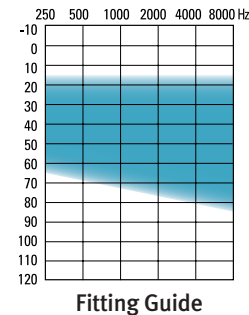
HEARING AID FEATURES

- Three controls provide full fitting flexibility:
 - L – Active Low-cut Tone
 - AI – Compression Threshold
 - P – Power
- Controls continuously adjustable with end stops
- Class D circuitry for excellent battery life
- Frequency Dependent Input compression (FDC)
- Powerful telecoil with pre-amplifier
- Slim mini-housing
- Maximum Power Output tied to Volume Control
- 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

OPTIONS

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

SUITABLE FOR FITTING MILD TO MODERATELY SEVERE HEARING LOSSES



Fitting Guide

IEC 118-0 TECHNICAL DATA

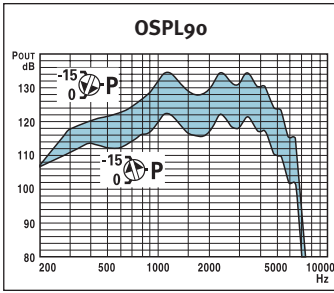
Frequency Range	500-5700 Hz	
P (Power) Control Setting	-15	0
Peak Gain	68 dB*	68 dB
Peak Output	123 dB	136 dB
Reference Test Gain	40 dB	53 dB
Full on Average Gain**	51 dB*	51 dB
Average Output**	115 dB	128 dB
Reference Test Frequency	1.6 kHz	
Full on Gain at 1.6 kHz	55 dB*	55 dB
Output at 1.6 kHz	115 dB	128 dB
Typical Battery Life (Zinc Air Premium)	305 h	255 h
Current Drain at RTG	<0.75 mA	<0.9 mA
Output with Inductive Input at 1.6 kHz	94 dB	
Equivalent Input Noise at RTG	<29 dB	
Data applicable at AI = -15		
Attack Time	<10 ms	
Release Time	140 ms	
Compression Ratio	10:1	

*At P=-15 reduced input level was used to avoid saturation
**Average of 500, 1000 and 2000 Hz

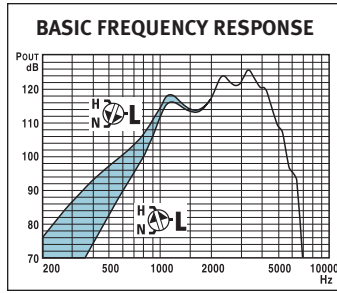
IEC 118-7 2cc COUPLER

Frequency Range	400-5800 Hz
Peak Gain	57 dB
Peak Output	132 dB
Reference Test Gain	44 dB
Full On Gain at 1.6 kHz	46 dB
Output at 1.6 kHz	119 dB

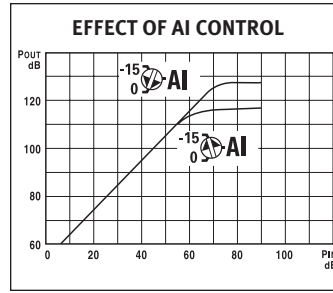
ICON AGCi MINI-BTE IEC 118-0 EAR SIMULATOR SPECIFICATIONS



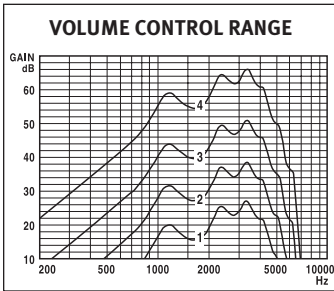
Input sound pressure level: 90 dB
Volume Control: full on
L: N AI: 0



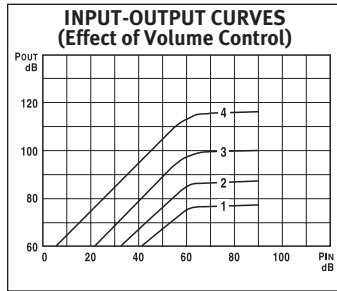
Input sound pressure level: 60 dB
Volume Control: RTG
AI: 0 P: 0



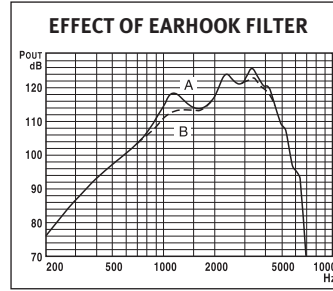
Input at 1600 Hz
Volume Control: full on
L: N P: 0



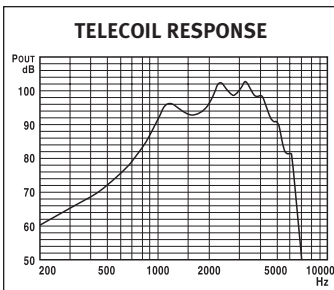
Input sound pressure level: 50 dB
Volume Control: as shown
L: N AI: 0 P: 0



Input at 1600 Hz
Volume Control: as shown
L: N AI: -15 P: 0

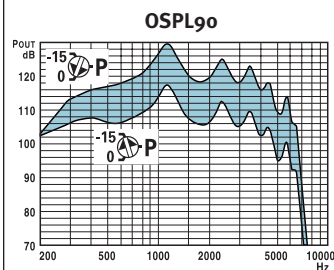


Input sound pressure level: 60 dB
Volume Control: RTG
'A' unfiltered, standard 'B' filtered, optional

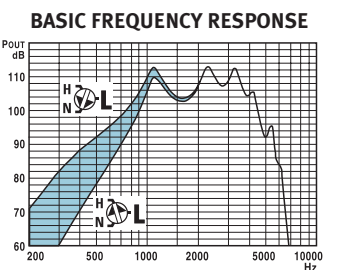


Input: 1 mA/m
Volume Control: full on
L: N AI: 0 P: 0

IEC 118-7 2cc COUPLER



Input sound pressure level: 90 dB
Volume Control: full on
L: N AI: 0



Input sound pressure level: 60 dB
Volume Control: RTG
AI: 0 P: 0

TEST CONDITIONS

RTG-IEC: Reference Test Gain of the Volume Control: 3.5
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 AGCi

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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