



UE8 BTE

Input Compression Broadband Response

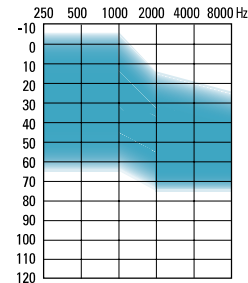
HEARING AID FEATURES

- Frequency Dependent Input Compression (FDC)
- Two controls provide fitting flexibility:
Tone – Active Low-cut Tone
MPO – Maximum Power Output
- Controls continuously adjustable with end stops
- Powerful telecoil
- Gain tied to Maximum Power Output
- Surface mount mechnology
- Volume control: numbered 1 (low) to 4 (high)
- M-T-O Switch: 3 positions Microphone–Telecoil–Off
- Unfiltered earhook
- Battery size: 675
- Fitting is supported by NOAH-compatible Unifit™ or Standalone Unifit™

OPTIONS

- Filtered earhook
- Child-sized earhook

SUITABLE FOR FITTING MILD TO MODERATELY SEVERE HEARING LOSSES



Fitting Guide

IEC 118-0 TECHNICAL DATA

Frequency Range	550-6200 dB	
MPO Setting	- 20	0
Peak Gain	41 dB*	60 dB
Peak Output	109 dB	129 dB
Reference Test Gain	50 dB	
Full on Average Gain**	30 dB*	49 dB
Average OSPL90**	102 dB	121 dB
Reference Test Frequency	1.6 kHz	
Full on Gain at 1.6 kHz	34 dB	54 dB
Output at 1.6 kHz	106 dB	125 dB
Typical Battery Life (Zinc Air Premium)	275 h	230 h
Current Drain at RTG	2.2 mA	2.6 mA
Output with Inductive Input at 1.6 kHz	91 dB	
Equivalent Input Noise Level at RTG	24 dB	
Attack Time	10 ms	
Release Time	80 ms	
Compression Ratio	7:1	

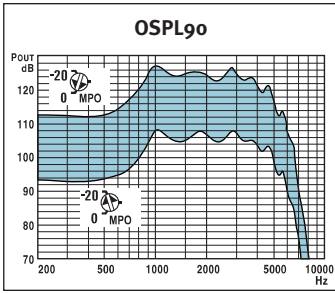
*At MPO=-20, reduced input level was used to avoid saturation

**Average of 500, 1000 and 2000 Hz

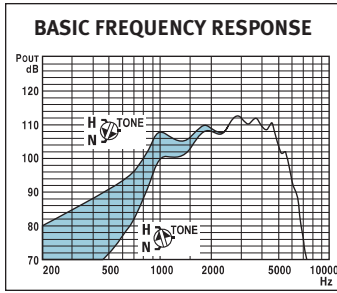
IEC 118-7 2CC COUPLER TECHNICAL DATA

Frequency Range	350-5800 Hz
Peak Gain	51 dB
Peak Output	124 dB
Reference Test Gain	41 dB
Full on Gain at 1.6 kHz	45 dB
Output at 1.6 kHz	116 dB

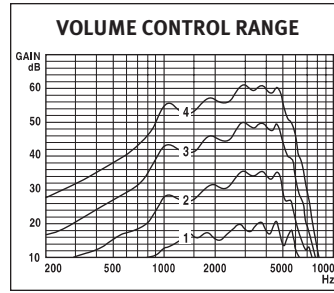
UE8 BTE IEC 118-0 EAR SIMULATOR SPECIFICATIONS



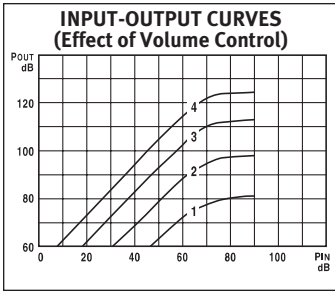
Input sound pressure level: 90 dB
Volume Control: full on
TONE: N MPO: 0



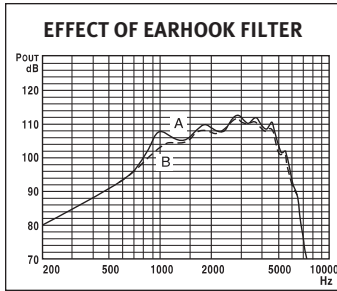
Input sound pressure level: 60 dB
Volume Control: RTG
MPO: 0



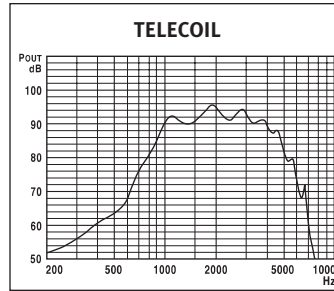
Input sound pressure level: 50 dB
Volume Control: as shown
TONE: N MPO: 0



Input at 1600 Hz
Volume Control: as shown
TONE: N MPO: 0

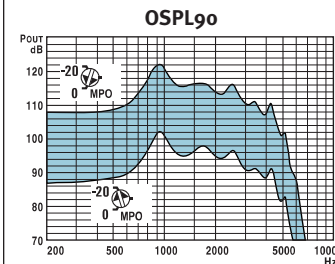


Input sound pressure level: 60 dB
Volume Control: RTG
"A" unfiltered, standard
"B" filtered, optional

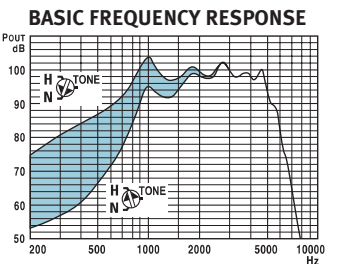


Input: 1mA/m
Volume Control: full on
TONE: N MPO: 0

IEC 118-7 2cc COUPLER



Input sound pressure level: 90 dB
Volume Control: full on
TONE: N



Input sound pressure level: 60 dB
Volume Control: RTG
MPO: 0

TEST CONDITIONS

RTG-IEC: Reference Test Gain of the Volume Control: 3.2
BATTERY: 13 Zinc Air Premium
SOURCE: Voltage 1.3 V
Impedance 3.5 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: UE8

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.



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