



UE10 Mini-BTE

**Output Compression
High Power, Push-Pull, Broadband Response**

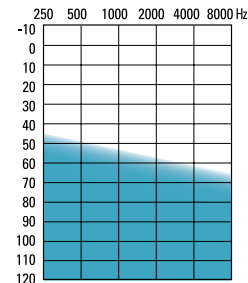
HEARING AID FEATURES

- Powerful Push-Pull amplifier
- Three controls provide full fitting flexibility:
C – Compression
T – Active Low-cut Tone
P – Power Control
- Controls continuously adjustable with end stops
- Powerful Telecoil
- Frequency Dependent Input Compression (FDC)
- Adjustable Compression Threshold range of 30 dB
- Active Tone Control
- Low Harmonic Distortion
- Surface Mount Technology
- 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

- Direct Audio Input
- CROS/BiCROS
- Filtered earhook
- Child-sized earhook
- Brown housing

SUITABLE FOR FITTING MODERATELY SEVERE TO PROFOUND HEARING LOSSES INCLUDING RECRUITMENT AND DISCRIMINATION PROBLEMS



Fitting Guide

IEC 118-0 TECHNICAL DATA

Frequency Range	340-5800 Hz	
P (Power) Control Setting	-16	0
Peak Gain	75 dB*	76 dB
Peak Output	123 dB	141 dB
Reference Test Gain	59 dB	
Full on Average Gain**	63 dB*	64 dB
Average Output**	119 dB	133 dB
Reference Test Frequency	1.6 kHz	
Full on Gain at 1.6 kHz	64 dB*	65 dB
Output at 1.6 kHz	120 dB	134 dB
Typical Battery Life (Zinc Air Premium)	355 h	320 h
Current Drain at RTG	1.7 mA	1.9 mA
Output with Inductive Input at 1.6 kHz	105 dB	
Equivalent Input Noise Level at RTG	29 dB	
Data applicable at C=55		
Attack Time	10 ms	
Release Time	100 ms	
Compression Ratio	20:1	

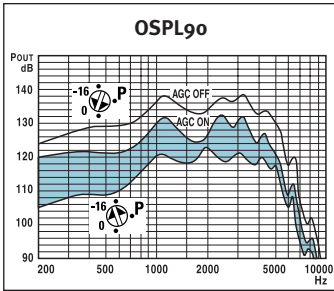
*At P=-16, reduced input level was used to avoid saturation.

**Average of 500, 1000 and 2000 Hz

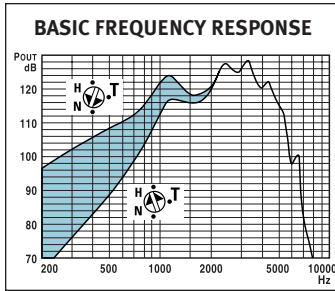
IEC 118-7 2CC COUPLER TECHNICAL DATA

Frequency Range	250-5800 Hz
Peak Gain (40 dB in)	69 dB
Peak Output	136 dB
Reference Test Gain	49 dB
Full on Gain at 1.6 kHz	57 dB
Output at 1.6 kHz	124 dB

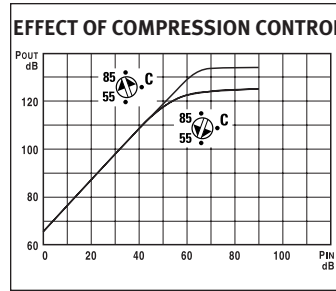
UE10 MINI-BTE IEC 118-o EAR SIMULATOR SPECIFICATIONS



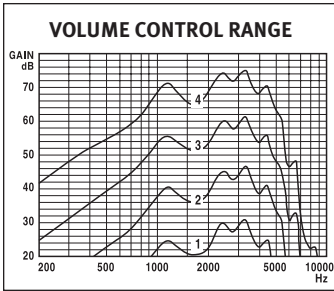
Input sound pressure level: 90 dB
Volume Control: full on
T: N C: 55=On; 85=Off P: 0



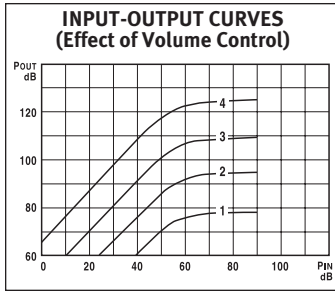
Input sound pressure level: 60 dB
Volume Control: RTG
C: 55 P: 0



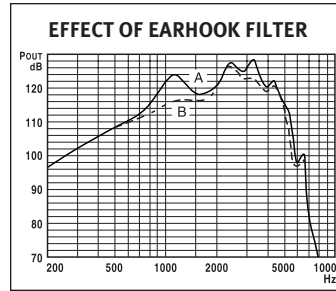
Input at 1600 Hz
Volume Control: full on
T: N P: 0



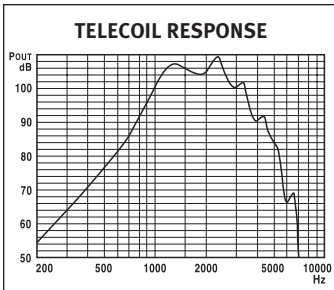
Input sound pressure level: 50 dB
Volume Control: as shown
T: N C: 55 P: 0



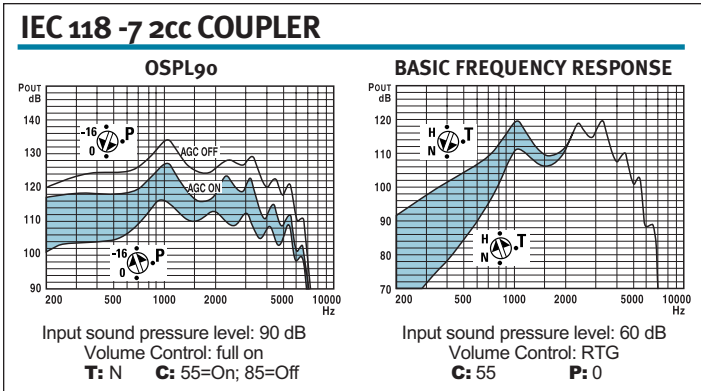
Input at: 1600 Hz
Volume Control: as shown
T: N C: 55 P: 0



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



Input: H = 1mA/m
Volume Control: full on
T: N C: 55 P: 0



Input sound pressure level: 90 dB
Volume Control: full on
T: N C: 55=On; 85=Off P: 0

Input sound pressure level: 60 dB
Volume Control: RTG
C: 55 P: 0

TEST CONDITIONS

RTG-IEC: Reference Test Gain of the Volume Control: 3
BATTERY: 675 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: UE10

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-o, 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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