



UE10 BTE

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

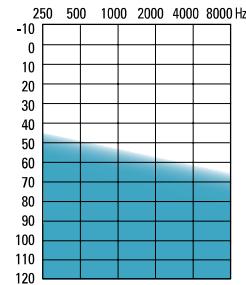
HEARING AID FEATURES

- 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
- 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

- Filtered earhook
- Child-sized earhook

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



Fitting Guide

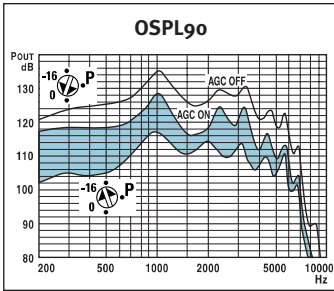


ANSI S3.22-1996 TECHNICAL DATA

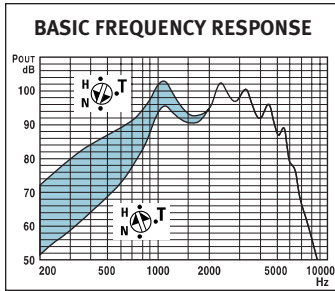
Frequency Range	280-6000 dB	
P (Power) Control Setting	-16	0
Peak Gain	68 dB*	69 dB
Peak Output	120 dB	136 dB
Reference Test Gain	45 dB	
HF Average Gain 50 dB in	61 dB*	62 dB
HF Average OSPL90	112 dB	122 dB
Typical Battery Life (Zinc Air Premium)	500 h	400 h
Current Drain at RTP	1.2 mA	1.5 mA
Telephone Magnetic Field Simulator		
HFA SPLITS	102 dB	
STS SPLITS	-3 dB	
Equivalent Input Noise at RTP typical 27 dB	< 30 dB	
Total Harmonic Distortion at RTP		
500 Hz	not applicable	
800 Hz	typical 3%	< 8%
1600 Hz	typical 3%	< 8%
(Data applicable at C=55)		
Attack Time	< 10 ms	
Release Time	100 ms	
Compression Ratio	20:1	

*At lower Power Control setting, reduced input level was used to avoid saturation.

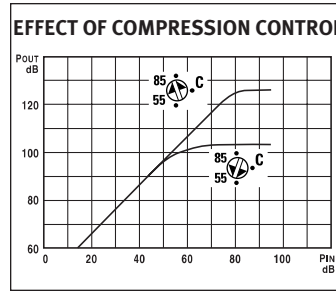
UE10 BTE ANSI SPECIFICATIONS



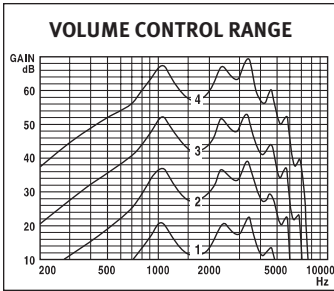
Input sound pressure level: 90 dB
Volume Control: full on
T: N C: 55=On; 85=Off



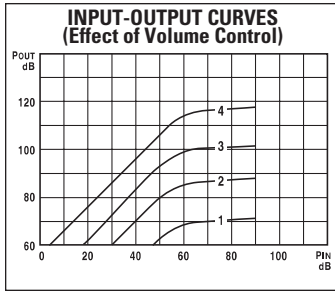
Input sound pressure level: 50 dB
VC: RTP
C: 55 P: 0



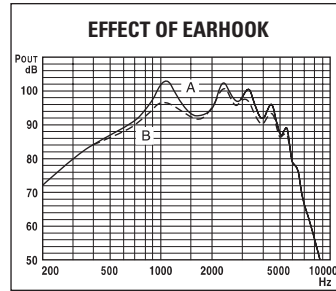
Input at 2000 Hz
VC: RTP
T: N P: 0



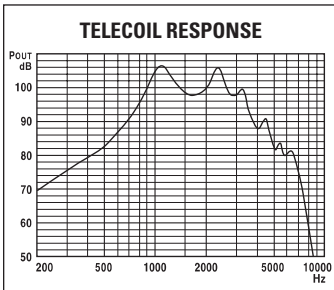
Input sound pressure level: 50 dB
VC: as shown
T: N C: 55 P: 0



Input at 2000 Hz
VC: as shown
T: N C: 55 P: 0



Input sound pressure level: 50 dB
Volume Control: RTP
"A" unfiltered, standard
"B" filtered, optional



Input: 31.6 mA/m
VC: RTP
T: N C: 55 P: 0

TEST CONDITIONS

RTP-ANSI: Reference Test Position of the Volume Control: 3
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: UE10

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.



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