



## UM60 D Mini-BTE

Directional  
Compression (FDC), High-Frequency Emphasis

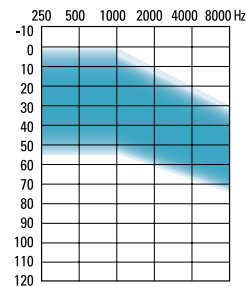
### HEARING AID FEATURES

- Frequency Dependent Input Compression (FDC)
- Directional microphone
- Powerful telecoil
- Two controls provide fitting flexibility  
T - Active Tone Control  
P - Power Control
- Controls continuously adjustable with end stops
- Gain tied to Maximum Power Output
- Surface Mount Technology
- Volume Control: numbered 1 (low) to 4 (high)
- M-T-O Switch: 3 positions Microphone–Telecoil–Off
- Slim mini-housing
- Filtered earhook
- Battery size: 13
- Fitting supported by NOAH-compatible Unifit or Standalone Unifit

### OPTIONS

- Direct Audio Input
- CROS/BiCROS
- Unfiltered earhook
- Child-sized earhook
- Brown or gray housing

### SUITABLE FOR FITTING MILD TO MODERATE HIGH-FREQUENCY HEARING LOSSES



Fitting Guide

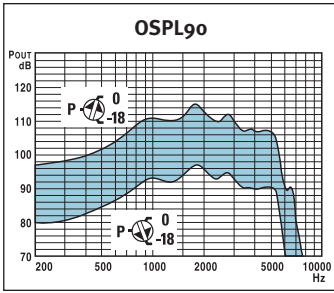


### ANSI S3.22-1996 TECHNICAL DATA

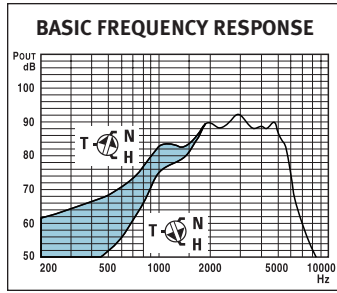
Frequency Range	300-6400 Hz	
P (Power) Control Setting	-18	0
Peak Gain	37 dB*	55 dB
Peak Output	99 dB	117 dB
Reference Test Gain	34 dB	
HF Average Gain 50 dB in	25 dB	44 dB
HF Average Output	93 dB	111 dB
Typical Battery Life (Zinc Air Premium)	245 h	245 h
Current Drain at RTP	1.2 mA	1.2 mA
Telephone Magentic Field Simulator		
HFA SPLITS	98 dB	
STS SPLITS	4.0 dB	
Equivalent Input Noise at RTP typical 22 dB	< 27 dB	
Total Harmonic Distortion		
500 Hz	not applicable	
800 Hz	typical 2%	< 8%
1600 Hz	typical 2%	< 8%
Attack Time	<10 ms	
Release Time	85 ms	
Compression Ratio	10:1	

\*At P=-18, reduced input level was used to avoid saturation.

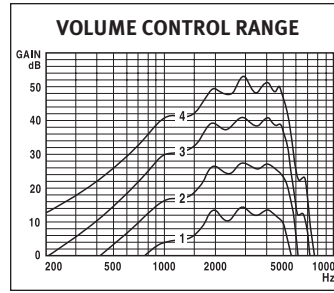
# UM60 D MINI-BTE ANSI SPECIFICATIONS



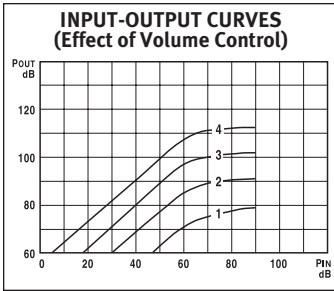
Input sound pressure level: 90 dB  
Volume Control: full on  
**T: N**



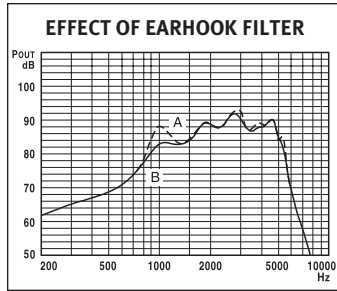
Input sound pressure level: 50 dB  
Volume Control: RTP  
**P: 0**



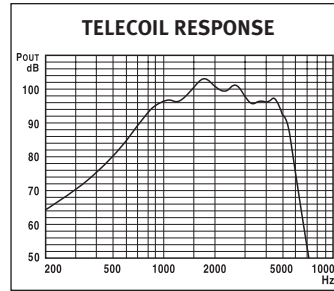
Input sound pressure level: 50 dB  
Volume Control: as shown  
**T: N**      **P: 0**



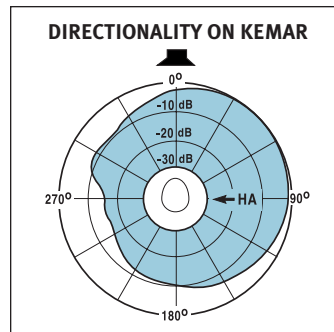
Input at 2000 Hz  
Volume Control: as shown  
**T: N**      **P: 0**



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



Input: 31.6 mA/m  
Volume Control: RTP  
**T: N**      **P: 0**



Noise with spectrum of speech  
Directional microphone decreases sensitivity to sound coming from behind listener.

## TEST CONDITIONS

RTP-ANSI: Reference Test Position of the Volume Control: 3  
BATTERY: 13 Zinc Air Premium  
SOURCE: Voltage 1.3 V  
Impedance 6 Ohms  
EARHOOK: Filtered  
TUBING: Length 25 mm,  
Inside Diameter 1.93 mm  
Refer to: "Summary of Test Conditions and Limits" for more details.

## AID MARKING: UM60-D

## 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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