



US 80 PP BTE

Super Power, Push-Pull
Linear/Output Compression, Wideband Frequency Response

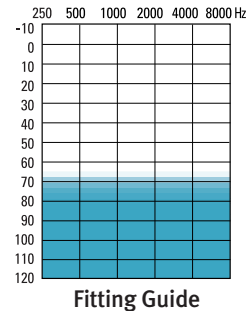
HEARING AID FEATURES

- Four controls provide full fitting flexibility:
 - L - Low-cut Tone
 - H - Active High-cut
 - P - Power
 - G - Gain
- Controls continuously adjustable with end stops
- Adjustable Gain control provides high to super power gain
- Powerful CI receiver for more distortion-free power
- Advanced AVM™ microphone with lower sensitivity to vibration helps reduce feedback problems
- Powerful Push-Pull amplifier
- Powerful Telecoil
- Gain independent of Maximum Power Output
- Surface mount technology
- 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: 675
- Fitting is supported by NOAH-compatible Unifit or Standalone Unifit

OPTIONS

- Tamper-resistant battery compartment/Volume Control cover
- CROS/BiCROS
- Filtered earhook
- Child-sized earhook
- Taupe, gray/taupe, brown/taupe housings

SUITABLE FOR FITTING SEVERE TO PROFOUND HEARING LOSSES

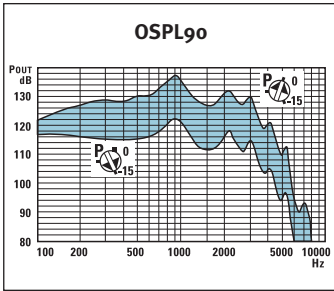


ANSI S3.22-1996 TECHNICAL DATA

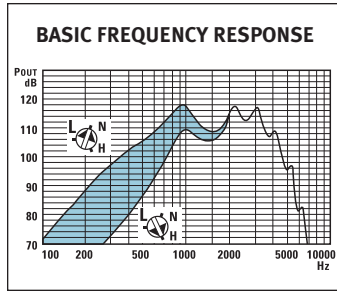
Frequency Range	240-5700 Hz	
P (Power) Control Setting	-15	0
Peak Gain	73 dB*	83 dB
Peak Output	125 dB	140 dB
Reference Test Gain	54 dB	
HF Average Gain (50 dB in)	64 dB*	75 dB
HF Average OSPL ₉₀	116 dB	131 dB
Typical Battery Life (Zinc Air Premium)	240 h	90 h
Current Drain at RTP	2.5 mA	6.9 mA
Telephone Magnetic Field Simulator		
HFA SPLITS	104 dB	
STS SPLITS	-10 dB	
Equivalent Input Noise at RTP typical 21 dB	< 24 dB	
Total Harmonic Distortion at RTP		
500 Hz	typical 3%	< 6%
800 Hz	typical 2%	< 5%
1600 Hz	typical 2%	< 5%
(Data applicable at P= -15)		
Attack Time	< 15 ms	
Release Time	95 ms	
Compression Ratio	> 20:1	

*At P= -15, reduced input level was used to avoid saturation.

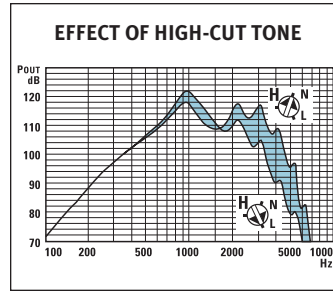
US 80 PP BTE ANSI SPECIFICATIONS



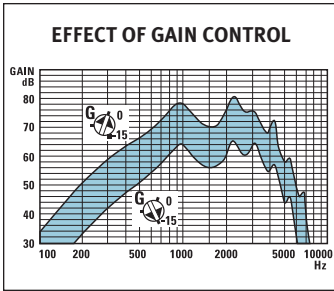
Input sound pressure level: 90 dB
Volume Control: full on
L: N H: N G: 0



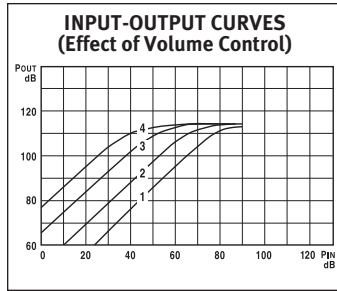
Input sound pressure level: 60 dB
Volume Control: RTP
H: N P: 0 G: 0



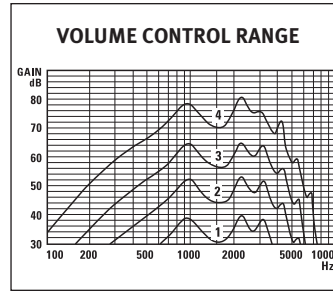
Input sound pressure level: 60 dB
Volume Control: RTP
L: N P: 0 G: 0



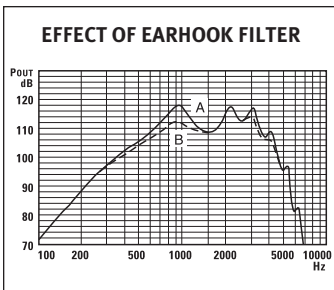
Input sound pressure level: 50 dB
Volume Control: full on
L: N H: N P: 0



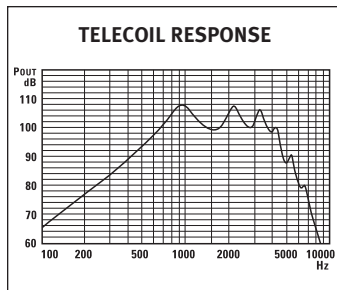
Input at 2000 Hz
Volume Control: as shown
L: N H: N P: -15 G: 0



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



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



Input: 31.6 mA/m
Volume Control: RTP
L: N H: N P: 0 G: 0

TEST CONDITIONS

RTP-ANSI: Reference Test Position of the Volume Control: 2.5
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: US80 PP

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.

Sound pressure level of this hearing aid exceeds 132 dB SPL.

