



US 80 PP BTE

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

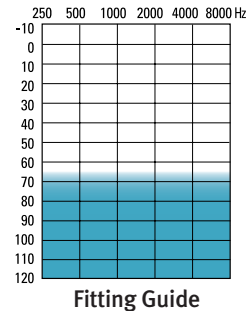
HEARING AID FEATURES

- 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

- M-MT-O Switch: 3 positions Microphone–Microphone/Telecoil–Off
- 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

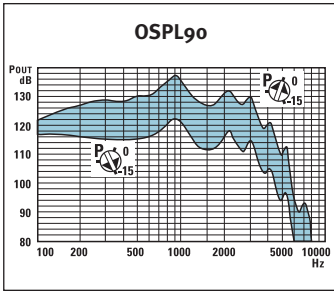


ANSI S3.22-1996 TECHNICAL DATA

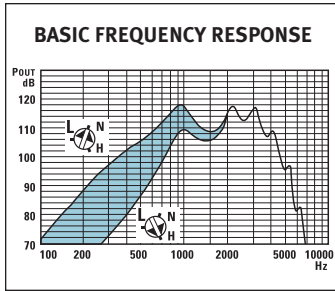
Frequency Range	240-5700 Hz	
P (Power) Control Setting	-15	0
Peak Gain	73 dB*	83 dB
Peak Output	125 dB	140 dB
Reference Test Gain	54 dB	
HF Average Gain (50 dB in)	64 dB*	75 dB
HF Average OSPL90	116 dB	131 dB
Typical Battery Life (Zinc Air Premium)	220 h	80 h
Current Drain at RTP	2.5 mA	6.9 mA
Telephone 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.

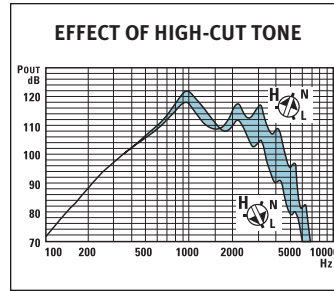
US 80 PP BTE ANSI SPECIFICATIONS



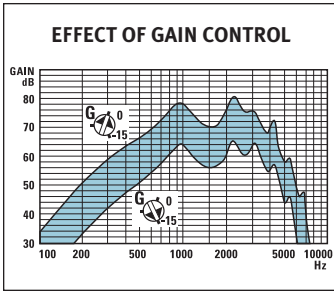
Input sound pressure level: 90 dB
Volume Control: full on
L: N H: N G: 0



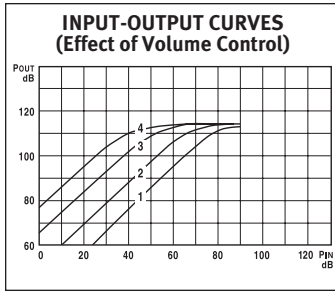
Input sound pressure level: 60 dB
Volume Control: RTP
H: N P: 0 G: 0



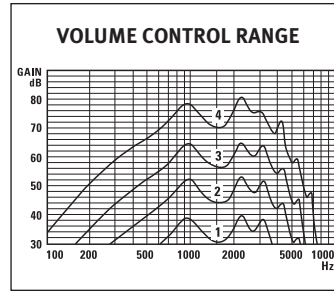
Input sound pressure level: 60 dB
Volume Control: RTP
L: N P: 0 G: 0



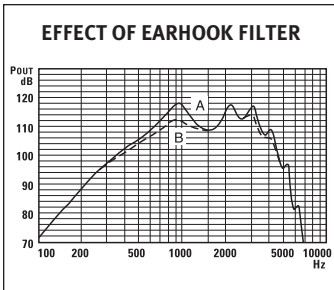
Input sound pressure level: 50 dB
Volume Control: full on
L: N H: N P: 0



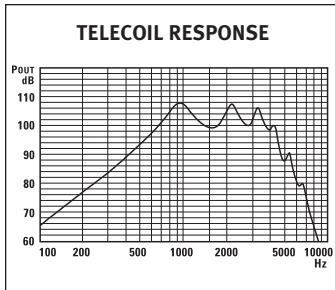
Input at 2000 Hz
Volume Control: as shown
L: N H: N P: -15 G: 0



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.



CORPORATE OFFICE

Kitchener, Ontario, Canada
877 492 6244; 519 895 0100
fax 519 895 0108

CANADA

Cambridge, Ontario
800 265 8255; 519 650 9111
fax 800 949 6663

U. S. A.

Plymouth, Minnesota
800 888 8882; 763 744 3300
fax 763 557 8828

INTERNATIONAL

Kitchener, Ontario, Canada
519 895 0100
fax 519 895 2318

EUROPE

Bremen, Germany
49 421 43 87 90
fax 49 421 48 81 56

www.unitronhearing.com