Conventional

unitron hearing™

US 80 PP

BTE

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

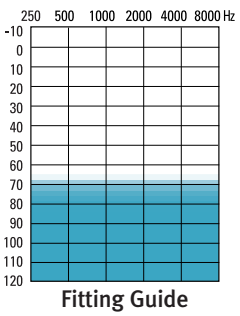
HEARING AID FEATURES

- 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



Fitting Guide

IEC 118-0 TECHNICAL DATA

Frequency Range		325-5600 Hz
P (Power) Control Setting	-15	0
Peak Gain	78 dB*	92 dB
Peak Output	129 dB	144 dB
Reference Test Gain	61 dB	
Full on Average Gain**	71 dB*	80 dB
Average Output**	123 dB	139 dB
Reference Test Frequency		1.6 kHz
Full on Gain at 1.6 kHz	68 dB*	80 dB
Output at 1.6 kHz	119 dB	136 dB
Typical Battery Life (Zinc Air Premium)	330 h	145 h
Current Drain at RTG	1.8 mA	4.1 mA
Output with Inductive Input at 1.6 kHz		103 dB
Equivalent Input Noise at RTG		27 dB
(Data applicable at P= -15)		
Attack Time		20 ms
Release Time		250 ms
Compression Ratio		› 20:1

*At P= -15, reduced input level was used to avoid saturation.
**Average of 500, 1000, and 2,000 Hz

IEC 118-7 2cc COUPLER TECHNICAL DATA

Frequency Range	260-5800 Hz
Peak Gain	83 dB
Peak Output	140 dB
Reference Test Gain	52 dB
Full on Gain at 1.6 kHz	70 dB
Output at 1.6 kHz	128 dB

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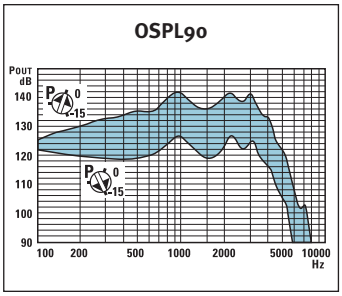
CE 0543

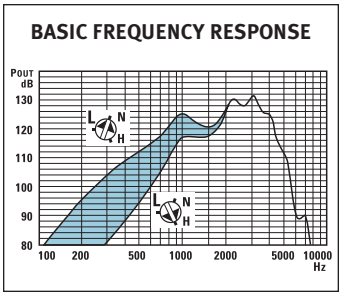
US 80 PP BTE IEC 118-0 EAR SIMULATOR SPECIFICATIONS

OSPL90



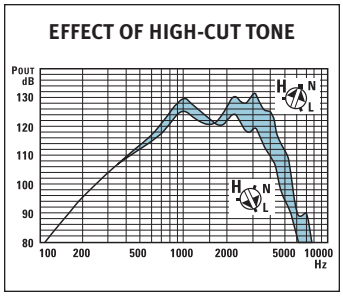
Input sound pressure level: 90 dB
Volume Control: full on
L: N **H:** N **G:** 0

BASIC FREQUENCY RESPONSE



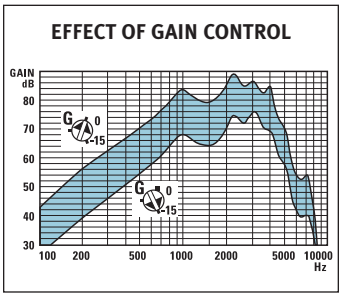
Input sound pressure level: 60 dB
Volume Control: RTG
H: N **P:** 0 **G:** 0

EFFECT OF HIGH-CUT TONE



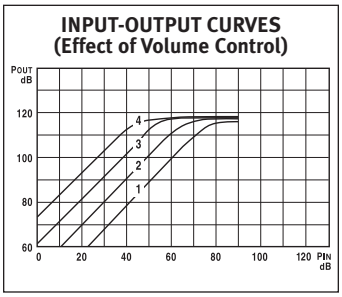
Input sound pressure level: 60 dB
Volume Control: RTG
L: N **P:** 0 **G:** 0

EFFECT OF GAIN CONTROL



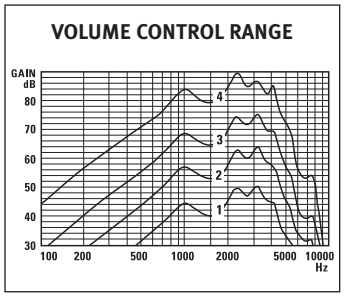
Input sound pressure level: 50 dB
Volume Control: full on
L: N **H:** N **P:** 0

INPUT-OUTPUT CURVES (Effect of Volume Control)



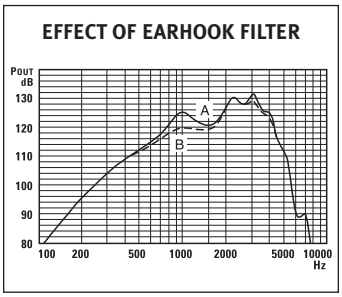
Input at 1600 Hz
Volume Control: as shown
L: N **H:** N **P:** -15 **G:** 0

VOLUME CONTROL RANGE



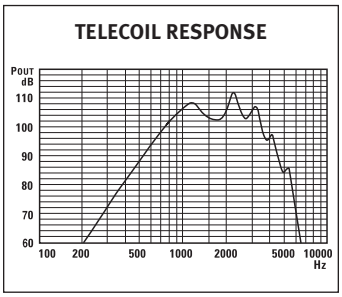
Input sound pressure level: 50 dB
Volume Control: as shown
L: N **H:** N **P:** 0 **G:** 0

EFFECT OF EARHOOK FILTER



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

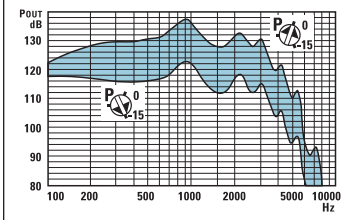
TELECOIL RESPONSE



Input: 1 mA/m
Volume Control: full on
L: N **H:** N **P:** 0 **G:** 0

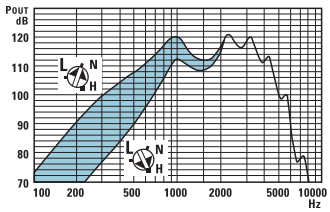
IEC 118 -7 2cc COUPLER

OSPL90



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

BASIC FREQUENCY RESPONSE



Input sound pressure level: 60 dB
Volume Control: RTG
H: N **P:** 0 **G:** 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: US80-PP

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 118-0, 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.

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

unitron hearing™

www.unitronhearing.com