



US 80 PPL BTE

**Super Power, Push-Pull, Linear/Output Compression
Extended Low-Frequency Emphasis**

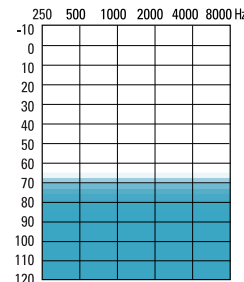
HEARING AID FEATURES

- Four controls provide full fitting flexibility:
L - Low-cut Tone
H - Active High-cut
G - Gain
P - Power
- Controls continuously adjustable with end stops
- Extended low-frequency hearing loss and left corner audiograms
- 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 reduces feedback
- 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, grey/taupe, brown/taupe housings

SUITABLE FOR FITTING SEVERE TO PROFOUND HEARING LOSSES



Fitting Guide



Can fit audiogram configurations including left corner.

IEC 118-0 TECHNICAL DATA

Frequency Range	115-5700 Hz	
P (Power) Control Setting	-15	0
Peak Gain	77 dB*	88 dB
Peak Output	129 dB	144 dB
Reference Test Gain	61 dB	
Full on Average Gain**	70 dB*	78 dB
Average Output**	123 dB	139 dB
Reference Test Frequency	1.6 kHz	
Full on Gain at 1.6 kHz	67 dB*	76 dB
Output at 1.6 kHz	119 dB	136 dB
Typical Battery Life (Zinc Air Premium)	335 h	140 h
Current Drain at RTG	1.8 mA	4.3 mA
Output with Inductive Input at 1.6 kHz	98 dB	
Equivalent Input Noise at RTG	28 dB	
(Data applicable at P= -15)		
Attack Time	20 ms	
Release Time	215 ms	
Compression Ratio	> 20:1	

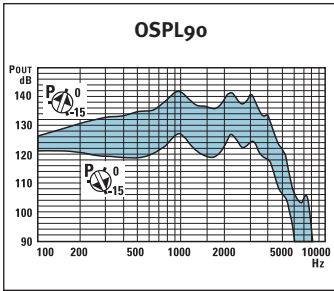
*At P= -15, reduced input level was used to avoid saturation.

**Average of 500, 1000, and 2,000 Hz

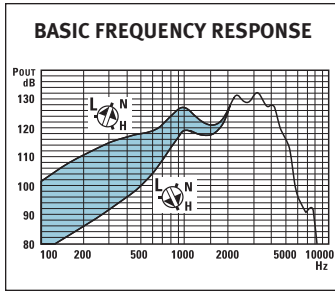
IEC 118-7 2cc COUPLER TECHNICAL DATA

Frequency Range	100-5800 Hz
Peak Gain	80 dB
Peak Output	140 dB
Reference Test Gain	52 dB
Full on Gain at 1.6 kHz	67 dB
Output at 1.6 kHz	136 dB

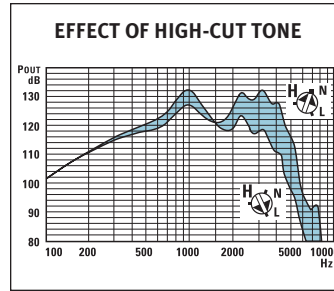
US 80 PPL BTE IEC 118-0 EAR SIMULATOR SPECIFICATIONS



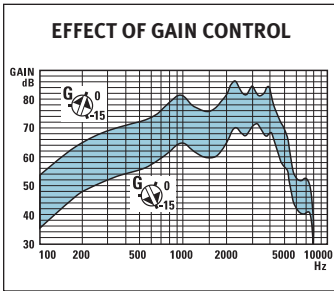
Input sound pressure level: 90 dB
Volume Control: full on
L: N H: N G: 0



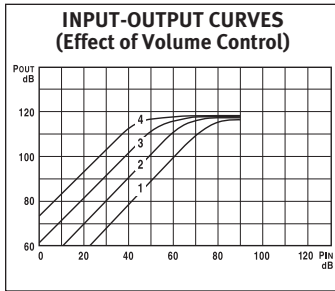
Input sound pressure level: 60 dB
Volume Control: RTG
H: N P: 0 G: 0



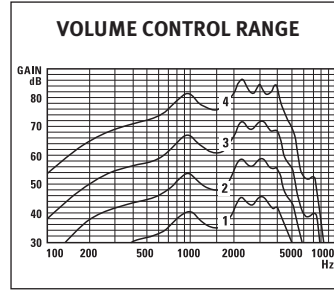
Input sound pressure level: 60 dB
Volume Control: RTG
L: N P: 0 G: 0



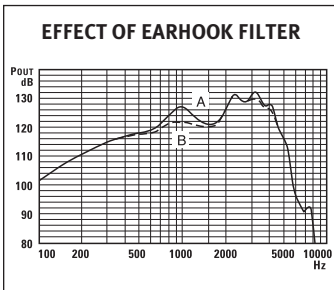
Input sound pressure level: 50 dB
Volume Control: full on
L: N H: N P: 0



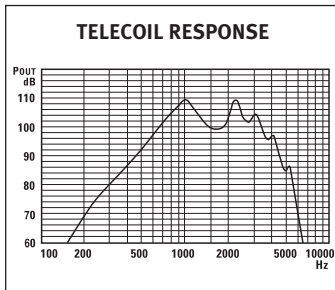
Input at 1600 Hz
Volume Control: as shown
L: N H: N P: -15 G: 0



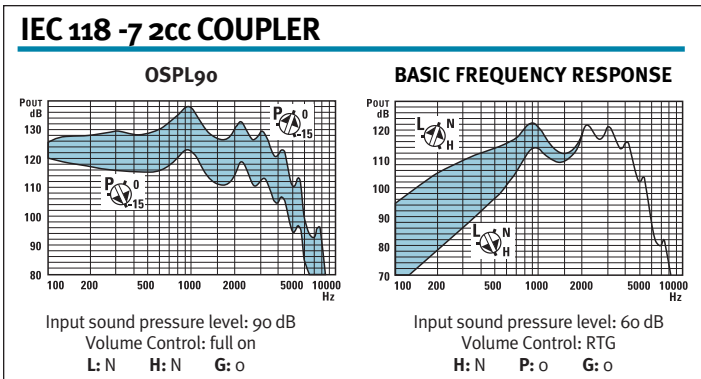
Input sound pressure level: 50 dB
Volume Control: as shown
L: N H: N P: 0 G: 0



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



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



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

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-PPL

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.



CORPORATE OFFICE
Kitchener, Ontario, Canada
1 877 492 6244; 1 519 895 0100

CANADA
Cambridge, Ontario
1 800 265 8255; 1 519 650 9111

CHINA
Suzhou, China
86 512 6258 2258

EUROPE
Oeffingen, Germany
49 711 658538 0

FRANCE
Bron, France
04 26 23 22 00

INTERNATIONAL
Kitchener, Ontario, Canada
1 519 895 0100

NETHERLANDS
Nieuwegein, The Netherlands
+31 (0) 30 604 9325

U K
Warrington, Cheshire, England
01925 247810

U . S . A .
Plymouth, Minnesota
1 800 888 8882; 1 763 744 3300

www.unitronhearing.com