



## UE12 PPL BTE

High Power, Linear  
Push-Pull, Extended Low Frequencies

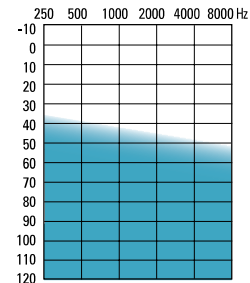
### HEARING AID FEATURES

- Powerful push-pull amplifier
- Three controls provide full fitting flexibility:
  - P - Power Control
  - G - Gain
  - T - Low-cut Tone
- Controls continuously adjustable with end stops
- Powerful telecoil
- Adjustable Gain control provides moderate to high gain
- 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
- Unfiltered earhook
- Battery size: 675
- Fitting is supported by NOAH-compatible Unifit™ or Standalone Unifit™

### OPTIONS

- Filtered earhook
- Child-sized earhook

**SUITABLE FOR FITTING MODERATE TO SEVERE/PROFOUND HEARING LOSSES INCLUDING LEFT CORNER AUDIOGRAMS**



Fitting Guide

### IEC 118-0 TECHNICAL DATA

Frequency Range	130-5600 Hz	
P (Power) Control Setting	-16	0
Peak Gain	80 dB*	82 dB
Peak Output	123 dB	141 dB
Reference Test Gain	59 dB	
Full on Average Gain**	69 dB*	71 dB
Average Output**	118 dB	134 dB
Reference Test Frequency	1.6 kHz	
Full on Gain at 1.6 kHz	69 dB*	71 dB
Output at 1.6 kHz	121 dB	134 dB
Typical Battery Life (Zinc Air Premium)	460 h	315 h
Current Drain at RTG	1.3 mA	1.9 mA
Output with Inductive Input at 1.6 kHz	102 dB	
Equivalent Input Noise at RTG	28 dB	

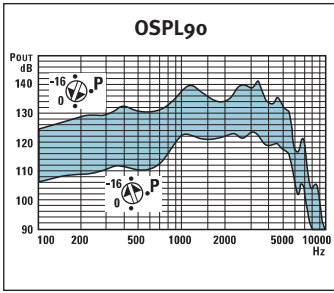
\*At P = -16, reduced input level was used to avoid saturation

\*\*Average of 500, 1000 and 2000 Hz

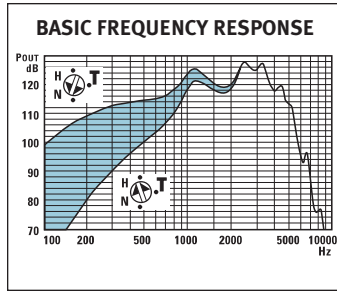
### IEC 118-7 2cc COUPLER TECHNICAL DATA

Frequency Range	90-5800 Hz	
Peak Gain	77 dB	
Peak Output	136 dB	
Reference Test Gain	51 dB	
Full On Gain at 1.6 kHz	63 dB	
Output at 1.6 kHz	125 dB	

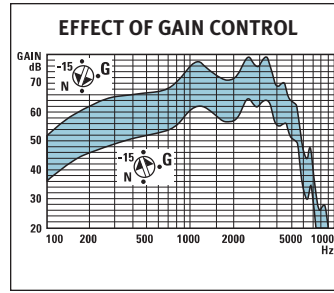
# UE12 PPL BTE IEC 118-0 EAR SIMULATOR SPECIFICATIONS



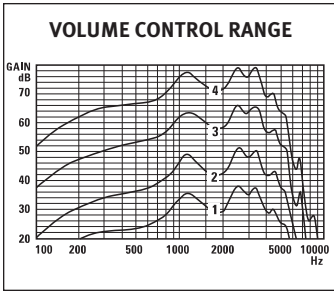
Input sound pressure level: 90 dB  
Volume Control: full on  
**T: N G: N**



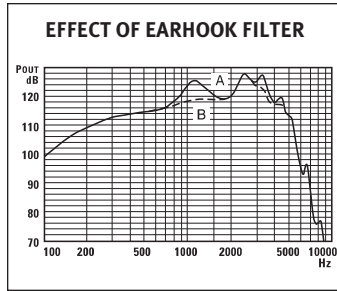
Input sound pressure level: 60 dB  
Volume Control: RTG  
**G: N P: 0**



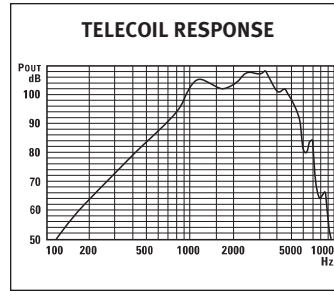
Input sound pressure level: 50 dB  
Volume Control: full on  
**T: N P: 0**



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

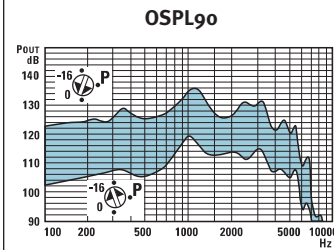


Input sound pressure level: 60 dB  
Volume Control: RTG  
"A" unfiltered, standard  
"B" filtered, optional

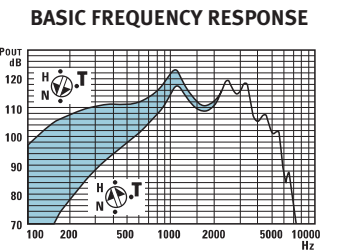


Input: 1mA/m  
Volume Control: full on  
**T: N G: N P: 0**

## IEC 118-7 2cc COUPLER



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



Input sound pressure level: 60 dB  
Volume Control: RTG  
**G: N P: 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: UE12-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.

Caution: The sound pressure level of this hearing aid exceeds 132 dB SPL.



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

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

**EUROPE**  
Bremen, Germany  
49 421 43 87 90

**INTERNATIONAL**  
Kitchener, Ontario, Canada  
519 895 0100

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

**UK**  
Warrington, Cheshire, England  
01925 247810

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

www.unitronhearing.com