



UE18 AGCo BTE

Output Compression
General Purpose, Broadband Response

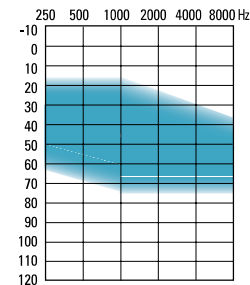
HEARING AID FEATURES

- Output compression
- Three controls provide full fitting flexibility:
P - Power Control
G - Gain
T - Active Tone
- Controls continuously adjustable with end stops
- Gain control with 15 dB range
- Broadband telecoil response
- 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 MILD TO MODERATELY/SEVERE HEARING LOSSES



Fitting Guide

IEC 118-0 TECHNICAL DATA

Frequency Range	380-6000 Hz	
P (Power) Control Setting	-15	0
Peak Gain	67 dB*	70 dB
Peak Output	118 dB	133 dB
Reference Test Gain	50 dB	
Full on Average Gain**	52 dB*	54 dB
Average Output**	108 dB	124 dB
Reference Test Frequency	1.6 kHz	
Full on Gain at 1.6 kHz	55 dB*	57 dB
Output at 1.6 kHz	109 dB	125 dB
Typical Battery Life (Zinc Air Premium)	275 h	275 h
Current Drain at RTG	2.2 mA	2.2 mA
Output with Inductive Input at 1.6 kHz	92 dB	
Equivalent Input Noise at RTG	26 dB	
Attack Time	20 ms	
Release Time	80 ms	
Compression Ratio	10 : 1	

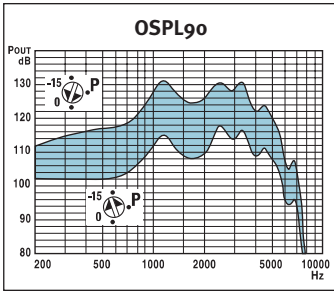
*At P = -15, reduced input level was used to avoid saturation

**Average of 500, 1000 and 2000 Hz

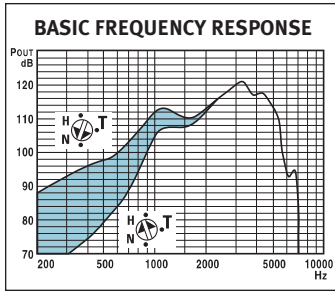
IEC 118-7 2cc COUPLER TECHNICAL DATA

Frequency Range	300-5800 Hz	
Peak Gain	60 dB	
Peak Output	129 dB	
Reference Test Gain	40 dB	
Full On Gain at 1.6 kHz	49 dB	
Output at 1.6 kHz	116 dB	

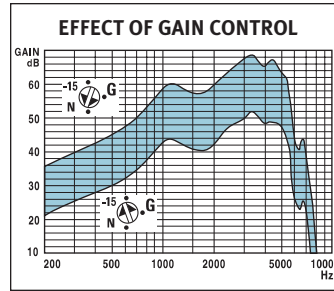
UE18 AGCo BTE IEC 118-0 EAR SIMULATOR SPECIFICATIONS



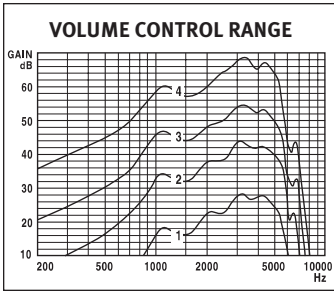
Input sound pressure level: 90 dB
Volume Control: full on
T: N G: N



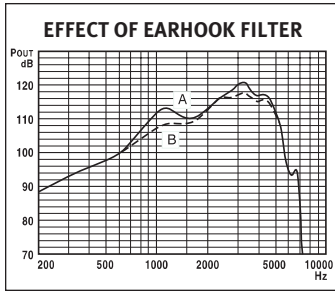
Input sound pressure level: 60 dB
Volume Control: RTG
G: N P: 0



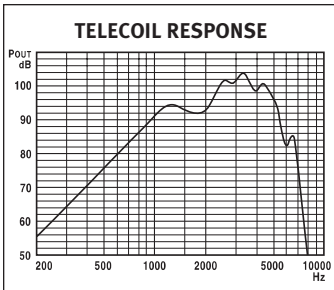
Input sound pressure level: 60 dB
Volume Control: RTG
T: N P: 0



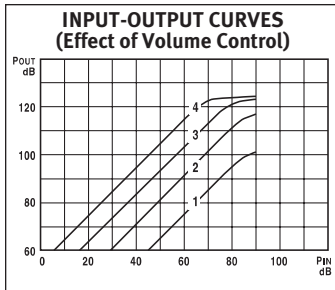
Input sound pressure level: 50 dB
Volume Control: as shown
T: N G: N P: 0



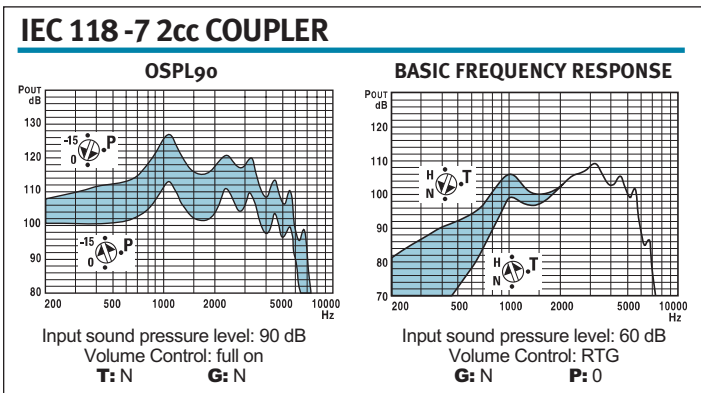
Input sound pressure level: 60 dB
Volume Control: RTG
"A" unfiltered, standard
"B" filtered, optional



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



Input at: 1600 Hz
Volume Control: as shown
T: N G: N P: 0



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: 3.5
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: UE18-AGCo

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.



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