



UE10 H Mini-BTE

Input Compression
High Power, Push-Pull, High Frequency Emphasis

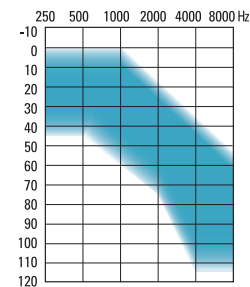
HEARING AID FEATURES

- Powerful Push-Pull amplifier
- Three controls provide fitting flexibility:
T - Low-cut Tone
C - Compression
P - Power
- Controls continuously adjustable with end stops
- Powerful telecoil
- Frequency Dependent Input Compression (FDC)
- Adjustable compression threshold range of 25 dB
- Active tone control
- Low harmonic distortion
- Surface mount technology
- Volume control: numbered 1 (low) to 4 (high)
- M-T-O Switch: 3 positions Microphone – Telecoil – Off
- Filtered earhook
- Battery size: 675
- Fitting is supported by NOAH-compatible Unifit or Standalone Unifit

OPTIONS

- CROS/BiCROS
- Unfiltered earhook
- Child-sized earhook
- Brown housing

**SUITABLE FOR FITTING MODERATE TO SEVERE/
PROFOUND SKI-SLOPE HEARING LOSSES INCLUDING
RECRUITMENT AND DISCRIMINATION PROBLEMS**



Fitting Guide

IEC 118-0 TECHNICAL DATA

| | | |
|--------------------------------------------|--------------|---------|
| Frequency Range | 1600-5700 Hz | |
| P (Power) Control Setting | -16 | 0 |
| Peak Gain | 74 dB* | 75 dB |
| Peak Output | 121 dB | 140 dB |
| Reference Test Gain | 62 dB | |
| Full on Average Gain** | 49 dB* | 50 dB |
| Average Output** | 115 dB | 130 dB |
| Reference Test Frequency | 2.5 kHz | |
| Full on Gain at 2.5 kHz | 73 dB* | 74 dB |
| Output at 2.5 kHz | 119 dB | 137 dB |
| Typical Battery Life (Zinc Air Premium) | 260 h | 240 h |
| Current Drain at RTG | <2.3 mA | <2.5 mA |
| Output with Inductive Input at 2.5 kHz | 105 dB | |
| Equivalent Input Noise at RTG | 18 dB | |
| (Data applicable at P= -16) | | |
| Attack Time | < 10 ms | |
| Release Time | 100 ms | |
| Compression Ratio | 10 : 1 | |

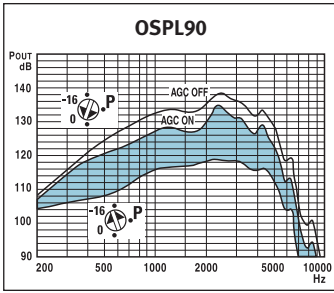
*At P = -16, reduced input level was used to avoid saturation

**Average of 500, 1000 and 2000 Hz

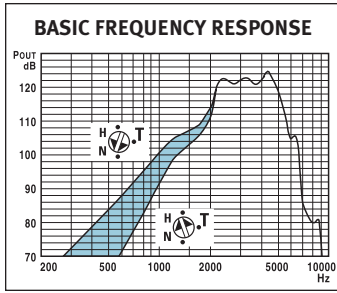
IEC 118-7 2CC COUPLER TECHNICAL DATA

| | |
|-------------------------|--------------|
| Frequency Range | 1000-6100 Hz |
| Peak Gain | 65 dB |
| Peak Output | 131 dB |
| Reference Test Gain | 53 dB |
| Full On Gain at 2.5 kHz | 58 dB |
| Output at 2.5 kHz | 123 dB |

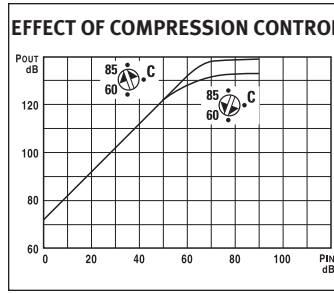
UE10 H MINI-BTE IEC 118-0 EAR SIMULATOR SPECIFICATIONS



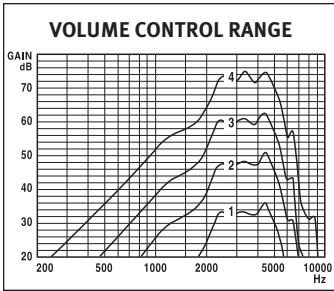
Input sound pressure level: 90 dB
Volume Control: full on
T: N C: 60=On; 85=Off



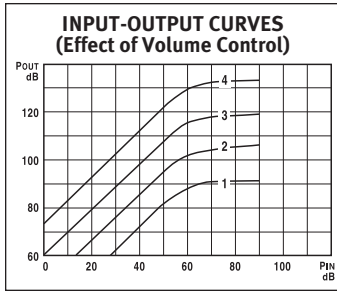
Input sound pressure level: 60 dB
Volume Control: RTG
C: 85 P: o



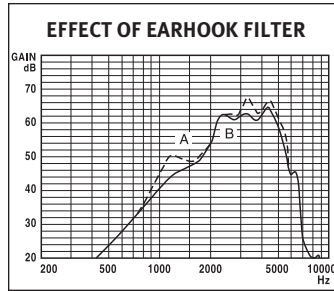
Input at 2500 Hz
Volume Control: full on
T: N P: o



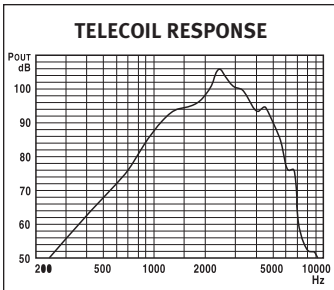
Input sound pressure level: 50 dB
Volume Control: as shown
T: N C: 85 P: o



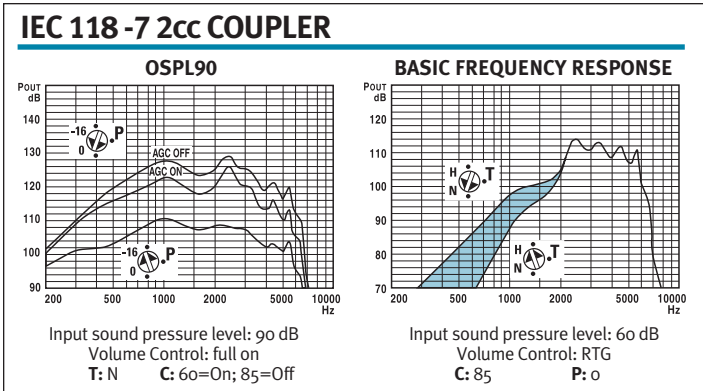
Input at: 2500 Hz
Volume Control: as shown
T: N C: 60 P: o



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



Input: H = 1mA/m
Volume Control: full on
T: N C: 85 P: o



Input sound pressure level: 90 dB
Volume Control: full on
T: N C: 60=On; 85=Off

Input sound pressure level: 60 dB
Volume Control: RTG
C: 85 P: o

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: Filtered
TUBING: Length 25 mm,
Inside Diameter 1.93 mm
Refer to: "Summary of Test Conditions and Limits" for more details.

AID MARKING: UE10 H

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.



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