



**Digital high-power
bone conducted spectacles
Datasheet**



Product Information

The AN-Evo 1 is a digital high power bone conducted spectacle, suitable for mid to severe hearing losses

The opportunities of individual programming by software or standard adjusting with N - H trimmer, permit a maximum of flexibility in meeting the individual needs

Accessories

BHM-Tech offers a variety of new attractive spectacles. New special designed extension tips give a perfect technical and optical connection between frame and hearing aid. The former Viennatone tips may also be used, same as tips from the competition.

Features

- Battery size 675
- 2 channel digital amplifier with programming options over 4 pin programming socket
- Low cut trimmer (N - H)
- O-T-M switch
- Mechanical compatible to the former Viennatone model AN90
- Available in the standard colors brown and black

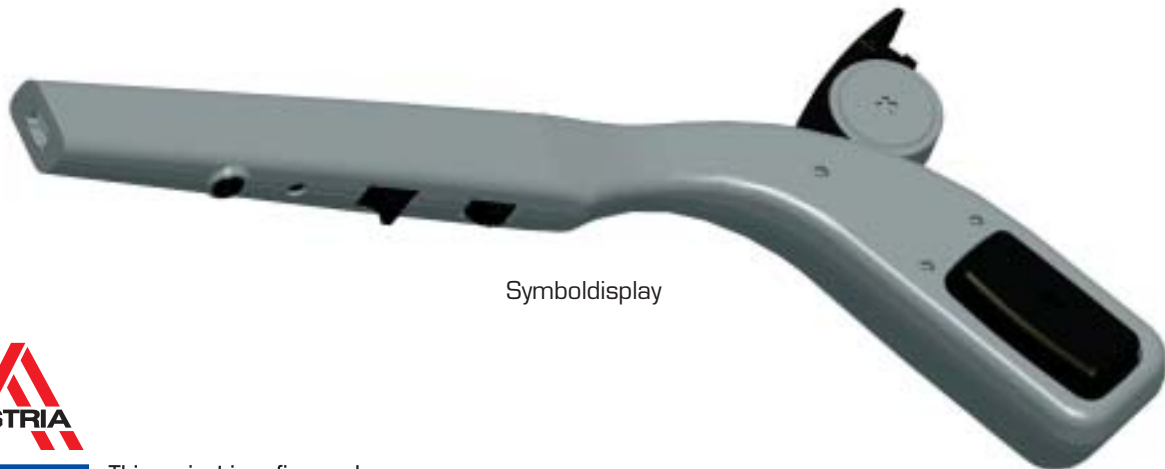
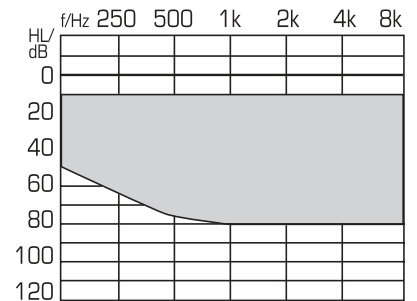
Additional features using the programming SW w/HI-PRO box:

- Graphic equalizer
- MPO limiting (AGC_o)
- Activate/Deactivate selection of Volumecontrol
- Activate/Deactivate selection of N - H trimmer
- Compression ratio and threshold for both channels individual adjustable

| | |
|--|---|
| Total harmonic distortion: (pi=70dB SPL ref. test gain) | 500Hz <1% |
| | 800Hz <0,5% |
| | 1000Hz <0,5% |
| | 1600Hz <0,2% |
| Sensitivity of telephone coil: | typ. 90dB (at 10mA/m, 1kHz) programmable |
| Equivalent input noise level: | 26dB(A)SPL |
| Current drain: | 1,2 mA +/- 10% (1,35V) |
| Battery life: | ~475 hours at a 570 mAh battery capacity |

Fitting range:

For Information only; observe the air & bone-conduction hearing loss of the patient.



Symboldisplay



This project is cofinanced by the European Union the federal government of Austria and the province of Burgenland

Quality certificate according to EN ISO 9001:2000 und ISO 13485:2003





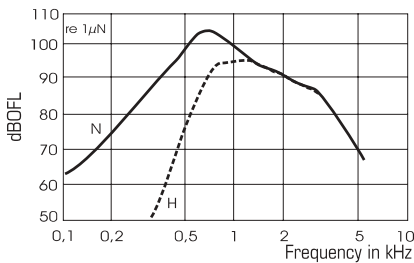
Technical Data according DIN IEC-Publication 118-9:1985

Measured at $U_b = 1.35V$. Tolerance of acoustical values +/- 4 dB.
HAIC-figures correspond to DIN45 605: 1989.

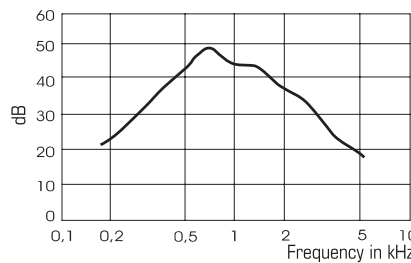
| | Full-on acoustic-mech. Sensitivity level (MPO min.) | Max. Output force level (OFL90) | |
|---------|--|---------------------------------|----------|
| | | MPO min | MPO max |
| HAIC | 41 dB | 111 dBOFL | 90 dBOFL |
| 1000 Hz | 45 dB | 112 dBOFL | 90 dBOFL |
| max. | 48 dB | 117 dBOFL | 97 dBOFL |

Frequency range HAIC: 200 - 4000 Hz

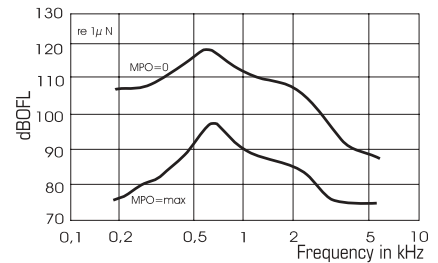
MPO: adjustable with software



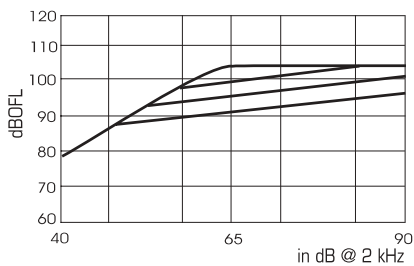
Basic force level response
 $\pi = 60$ dB SPL VC = red.



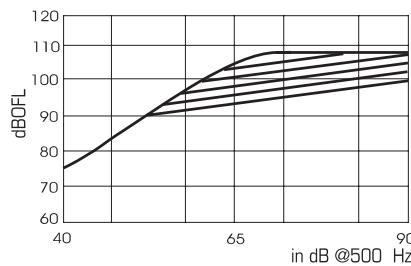
Max. acoustic-mech. $\pi = 50$ dB
sensitivity level VC max.



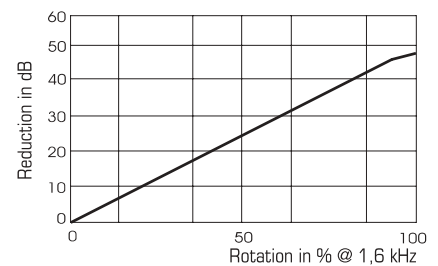
Max. Output force level (OFL90)
 $\pi = 90$ dB SPL VC = max.



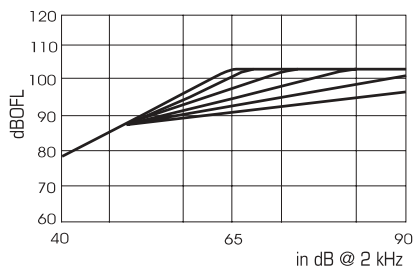
High tone channel (HC)
Threshold variations



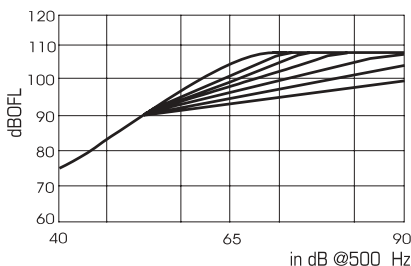
Low tone channel (LC)
Threshold variations



Volume control characteristic
 $\pi = 50$ dB SPL @ 1600 Hz



High tone channel (HC)
Variation of the CR



Low tone channel (LC)
Variation of the CR



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BHM-Tech Produktionsgesellschaft m.b.H, Austria
Changes may be done without any notice in order to improve product performance.