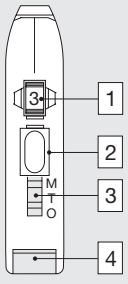
avero X

audifon hearing systems

- Adaptive Feedback Cancellation (AFC²)
- Expansion (Squelch)
- T-Coil
- WDRC-Channels: 2
- Low Battery Indicator
- Gain Control

Technical Data	EN 60118-7: 2005 (2 ccm-coupler)	EN 60118-0: 1994 (Ear Simulator)	ANSI S3.22-2003 (2 ccm-coupler)
Operating Voltage	1.30 V	1.30 V	1.30 V
Acoustic Gain (50 dB SPL)			
HFA	66 dB	–	66 dB
1600 Hz	–	72 dB	–
Peak Value	78 dB	80 dB	78 dB
Output (90 dB SPL)			
HFA	130 dB SPL	–	130 dB SPL
1600 Hz	–	133 dB SPL	–
Peak Value	136 dB SPL	140 dB SPL	136 dB SPL
Max. Output (110 dB SPL)			
HFA	130 dB SPL	–	130 dB SPL
1600 Hz	–	133 dB SPL	–
Peak Value	136 dB SPL	140 dB SPL	136 dB SPL
Reference Test Gain	53 dB	58 dB	53 dB
Induction Coil Sensitivity	103 dB SPL	107 dB SPL	131 dB SPL
Frequency Range	200 Hz–5400 Hz	200 Hz–5700 Hz	200 Hz–5400 Hz
Total Harmonic Distortions			
500/800/1600 Hz	<1/1/1 %	<2/1/1 %	<1/1/1 %
Equivalent Input Noise [1]	<11 dB, typ. 8 dB	<18 dB, typ. 14 dB	<11 dB, typ. 8 dB
Battery Current	<1.03 mA	<0.93 mA	<1.03 mA
Battery Type	675	675	675
Average Battery Life (Zinc-Air)	530 h	580 h	530 h

[1] Expansion (Squelch) = 46 dB SPL

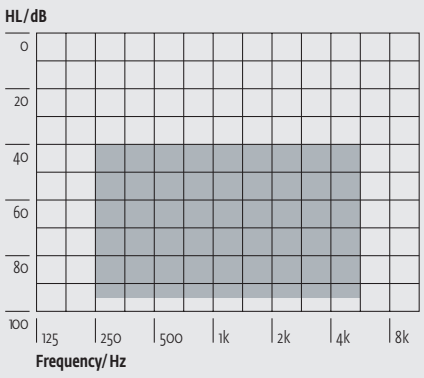


1 **Volume Control**
2 **Cover flap**
3 **switch**
M – Microphone
T – T-Coil
O – Off
4 **Battery Compartment**

Note:
The trimmers are located behind the cover flap

Software:
audifit 4.4.0 (not connectable but settings recommendations available)

FITTING RANGE



Caution: This medical device may exceed an output sound pressure level of 135 dB. To avoid possible damages, special care should be exercised.

STORM DSP

audifon GmbH & Co. KG · Werner-von-Siemens-Straße 2 · D-99625 Kölleda
Phone +49-3635-4056-590 · Fax +49-3635-4056-589 · contact@audifon.com · www.audifon.com

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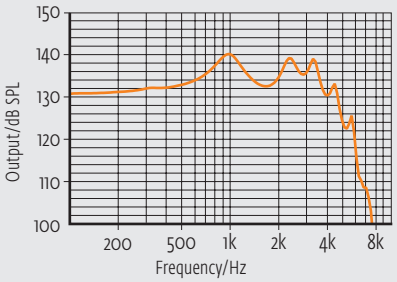
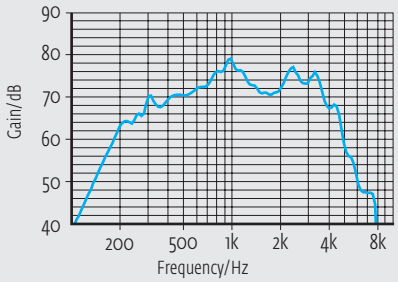
These curves are measured with **Ear Simulator (EN 60318-4, fig. 2)**. All sound pressure levels are referred to 20 µPa.

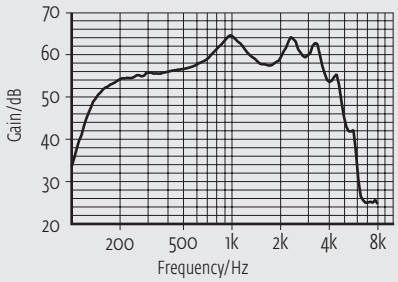
Maximum Output



Acoustic Gain

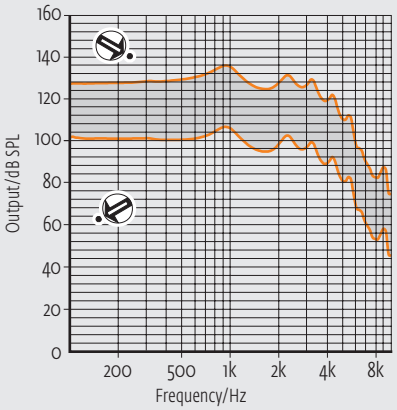


Reference Test Gain (RTG)

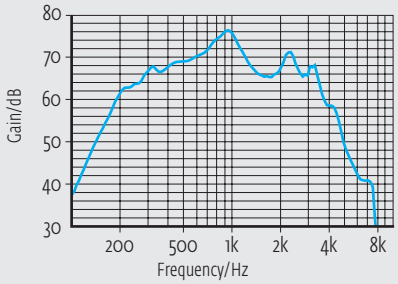


All curves are measured with **2ccm-coupler (EN 60318-5, fig. 3).** All sound pressure levels are referred to 20 µPa.

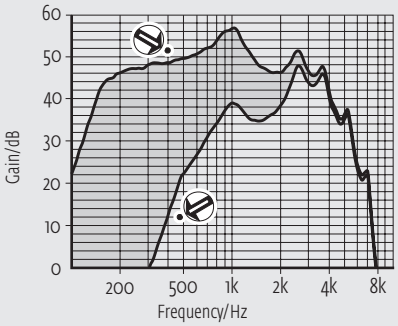
Maximum Output + AGCo



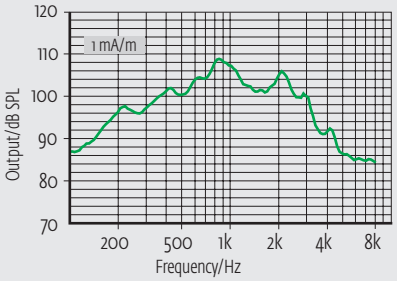
Acoustic Gain



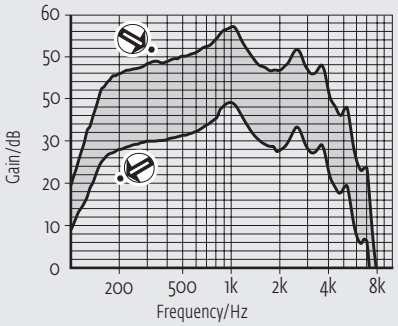
Reference Test Gain (RTG) + Low Cut



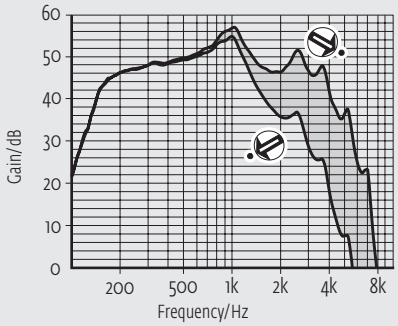
Induction Coil Sensitivity



Reference Test Gain (RTG) + GC



Reference Test Gain (RTG) + High Cut



On account of the complex signal processing, the measurements of the represented curves are only possible in default setting of the device and under use of the current valid software version. Effects of the separate parameters see software.