

AURORA 8 Pro Open



Order numbers for BTE instruments

104 268 84 Aurora 8 Pro Open beige
104 268 86 Aurora 8 Pro Open grey

104 220 16 Programming adaptor set 13



Application

- Mild to moderate sloping or high frequency hearing loss, as well as for those patients who prefer a non-occluding ear mold
- Standard and active listening environments
- Fitted with Connexx

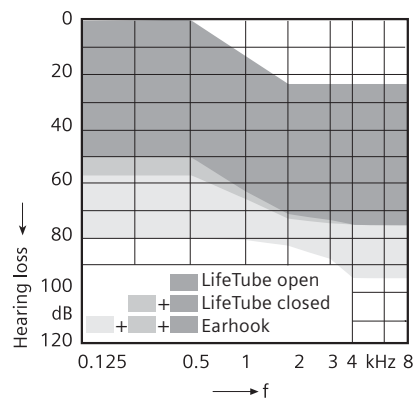
Short description

- Fully digital 8 channel amplifier
- 6 AGC-I controls
- 4 programmable memories
- Power-on delay
- Low battery beeps
- Program change beeps
- Microphone noise reduction
- Programmable telecoil
- Compatible with cell-phones and wireless phones
- Push Button
- Battery door on/off, Battery door lock
- 13 size battery
- Programming via programming adaptor 13

Highlights

- Automatic and Adaptive directional microphone
- Adaptive speech and noise management
- Sound Smoothing
- Windnoise cancellation
- Data Logging
- Antiphase Feedback Cancellation

Fitting Range



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AURORA 8 Pro Open

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	2 ccm coupler	Ear simulator
	Standard ANSI S3.22-2003; IEC 60118-7:2005 Earhook/OpenTube	IEC 118-0/A1 Earhook/OpenTube
Output Sound Pressure Level (OSPL)		
at 1.6 kHz	–	127/118 dB
Peak	123/124 dB	131/128 dB
HFA ¹ -OSPL 90	121/114 dB	–
Gain (Input 50 dB)		
FOG ² at 1.6 kHz	–	55/49 dB
FOG (Peak)	55/49 dB	64/57 dB
HFA-FOG	49/44 dB	–
Reference Test Gain	45/37 dB	48/42 dB
Frequency Range		
Low frequency limit	<100/<100 Hz	150/<100 Hz
High frequency limit	6500/7300 Hz	6900/7800 Hz
Total Harmonic Distortion		
500 Hz	3/1 %	3/1 %
800 Hz	2/1 %	2/1 %
1600 Hz	1/2 %	1/2 %
Equivalent Input Noise	18 dB	18 dB
Inductive Coil Sensitivity		
MASL ³ (1mA/m)	–	84/77 dB
HFA-MASL	79/75 dB	–
HFA SPLITS ⁴ (left/right)	105/103 dB / 97/95 dB	–
RSETS ⁵ (left/right)	0/-2 dB / 0/-2 dB	–
AGC-O		
Attack time	5 ms	–
Release time	650 ms	–
Battery Type 13		
Battery current	~1.0/~0.9 mA	~0.9/~0.9 mA
Battery Life	~220/~250 h	~250/~250 h
IRIL⁶ IEC 118-13:2004 (bystander)		
800-960 MHz		- 25 dB
1400-2000 MHz		- 18 dB
ANSI C63.19		M4 T4
AI-DI⁷		3.7 dB

¹ HFA= High Frequency Average

² FOG= Full-On-Gain in dB

³ MASL= Magneto Acoustical Sensitivity Level

⁴ SPLITS= Coupler SPL for an Inductive Telephone Simulator

⁵ RSETS= Relative Simulated Equivalent Telephone Sensitivity

⁶ IRIL= Input Related Interference Level

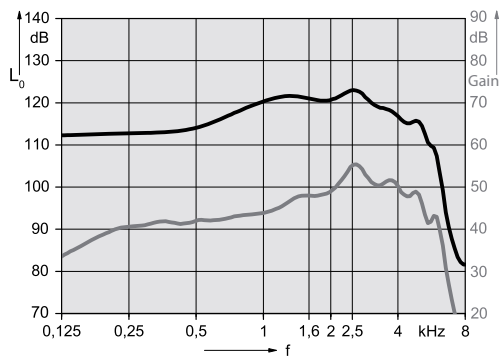
⁷ AI-DI= Articulation Index - Weighted Directivity Index

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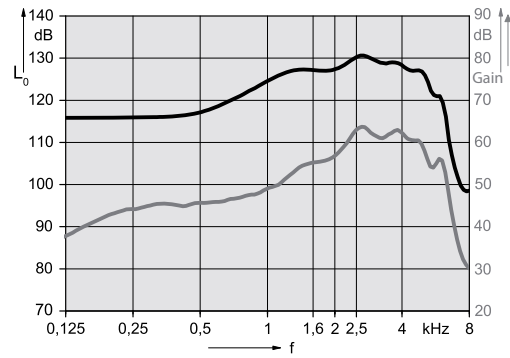
Earhook

2 ccm coupler

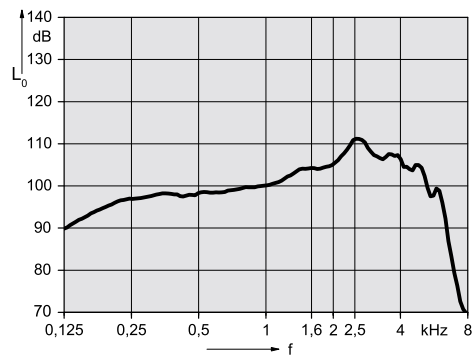


Output Sound Pressure Level ($L_1 = 90$ dB)
Full on Gain ($L_1 = 50$ dB)

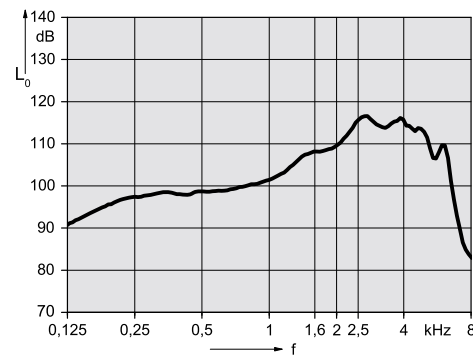
Ear simulator



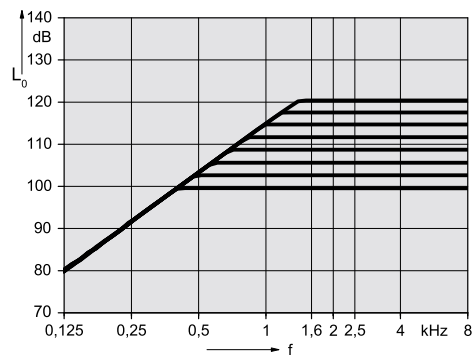
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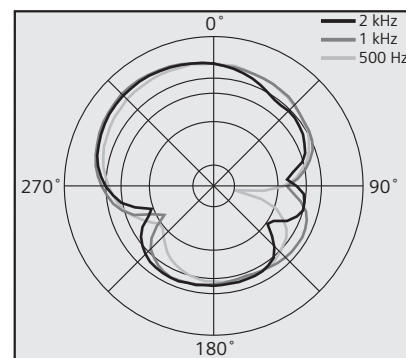
Basic Acoustic Response ($L_1 = 60$ dB)



Basic Acoustic Response ($L_1 = 60$ dB)



Effect of MPO (FOG, $f=2$ kHz)



Directional Characteristic

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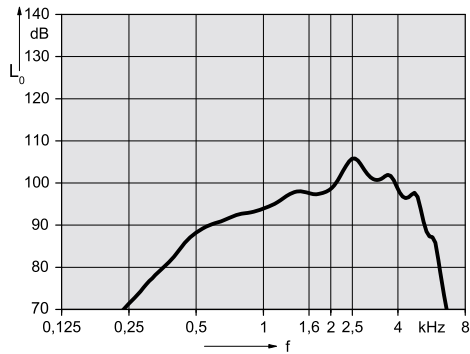
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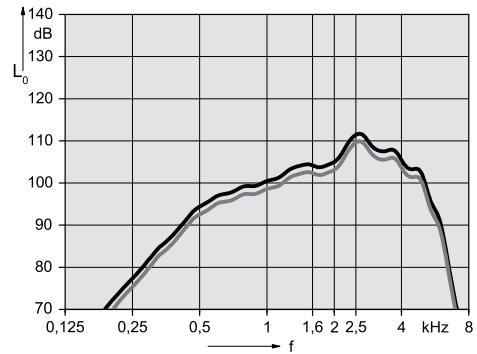


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Inductive Response



Inductive Response ($H = 10$ mA/m) IEC 60118-7:2005;



SPLITS curve left ($H = 31.6$ mA/m) ANSI S3.22-2003
SPLITS curve right ($H = 31.6$ mA/m) ANSI S3.22-2003

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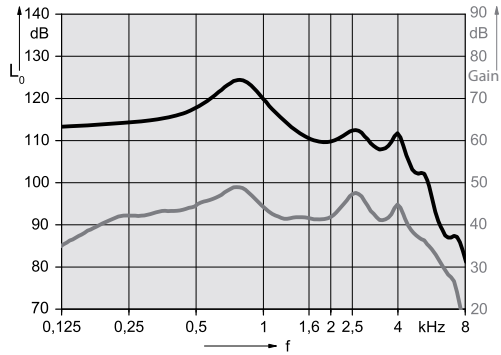
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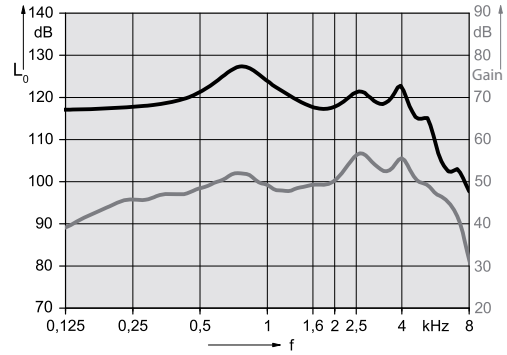
Open Tube

2 ccm coupler

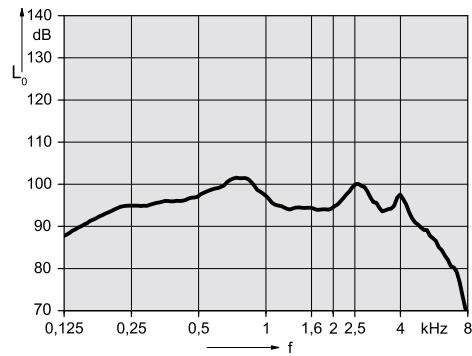


Output Sound Pressure Level ($L_1 = 90$ dB)
Full on Gain ($L_1 = 50$ dB)

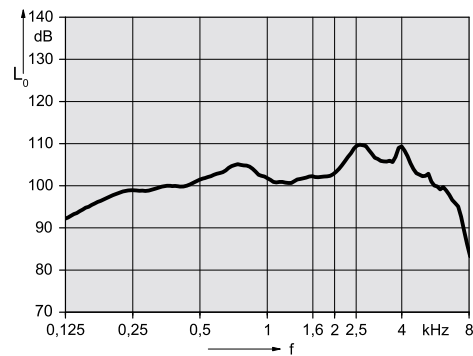
Ear simulator



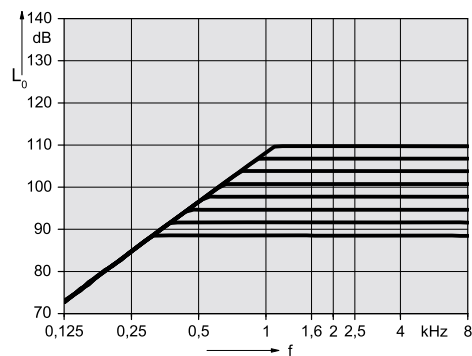
Output Sound Pressure Level ($L_1 = 90$ dB)
Full on Gain ($L_1 = 50$ dB)



Basic Acoustic Response ($L_1 = 60$ dB)



Basic Acoustic Response ($L_1 = 60$ dB)



Effect of MPO (FOG, $f=2$ kHz)

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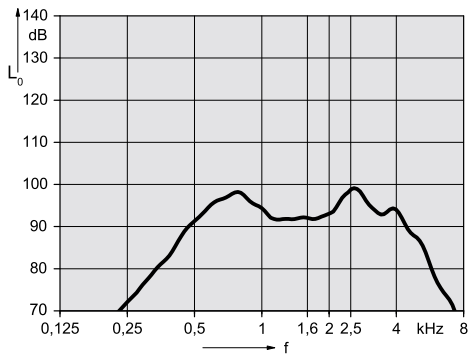
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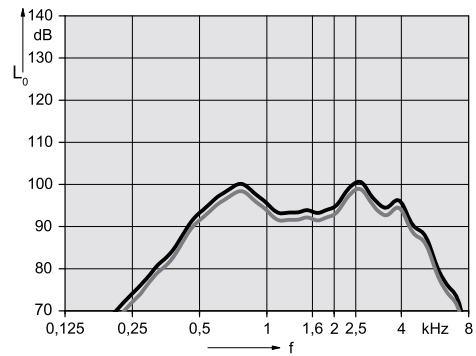


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WARNING!

Choking hazard posed by small parts.
This instrument is not intended for the fitting of infants, small children and persons of mental incapacity.

The information in this document contains general descriptions of the technical options available, which do not always have to be present in individual cases and are subject to change without prior notice.

The required features should therefore be specified in each individual case at the time of conclusion of the respective contract.
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