

AURORA 4 Pro XP

Order numbers for BTE instruments

106 000 13 Aurora 4 Pro XP beige
106 000 17 Aurora 4 Pro XP grey

Application

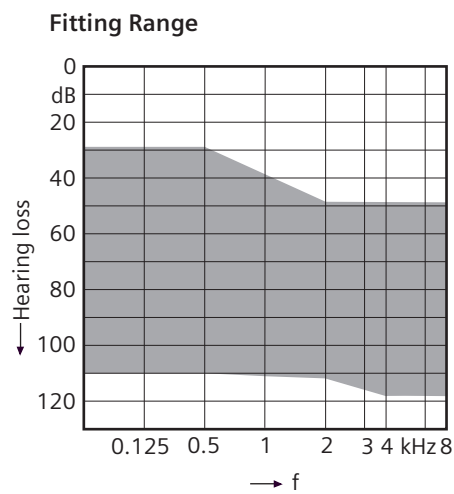
- Severe to profound hearing loss
- Standard and special listening environments
- Fitted with CONNEXX™

Short description

- Fully digital 4 channel amplifier
- 4 AGC-I controls
- Output Limiting options, AGC-o and Peak Clipping
- 3 programmable memories
- 1 flexible crossover frequency
- Power-on delay
- Memory and low battery beeps
- Microphone Noise Reduction
- Programmable telecoil
- Programmable audio input
- Compatible with cell-phones, wireless phones and usual FM systems
- Battery type 675

Highlights

- 4-channel adaptive Noise Reduction System
- Directional microphone
- Antiphase feedback cancellation



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AURORA 4 Pro XP

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	2 ccm coupler	Ear simulator
	IEC 60118-7:2005 ANSI S3.22-2003	IEC 118-0/A1
Output Sound Pressure Level (OSPL)		
at 1.6 kHz	–	135 dB
Peak	138 dB	141 dB
HFA ¹ -OSPL 90	131 dB	–
Gain (Input 50 dB)		
FOG ² at 1.6 kHz	–	77 dB
FOG (Peak)	80 dB	83 dB
HFA-FOG	72 dB	–
Reference Test Gain	55 dB	60 dB
Frequency Range		
Low frequency limit	<100 Hz	120 Hz
High frequency limit	5700 Hz	5900 Hz
Total Harmonic Distortion		
500 Hz	3 %	3 %
800 Hz	2 %	2 %
1600 Hz	1 %	1 %
Equivalent Input Noise	15 dB	17 dB
Induction Coil Sensitivity		
MASL ³ (1mA/m)	–	107 dB
HFA MASL (1mA/m)	102 dB	–
HFA SPLITS ⁴ (left/right)	109/116 dB	–
STS ⁵ (left/right)	-6/1 dB	–
AGC-O		
Attack time	3 ms	3 ms
Release time	100 ms	100 ms
Battery Type 675		
Battery current	~ 1.6 mA	~ 1.0 mA
Battery Life	~ 300 h	~ 480 h
IRIL⁶ IEC 118-13:2004 (bystander)		
800-960 MHz		- 10 dB
1400-2000 MHz		- 5 dB
AIDI⁷		4.0

* Data is representative. Technical specifications are subject to change without notice.

¹ HFA = High Frequency Average;

² FOG = Full On Gain;

³ MASL = Magneto Acoustical Sensitivity Level;

⁴ SPLITS = Coupler SPL for an Inductive Telephone Simulator;

⁵ STS = Simulated Telephone Sensitivity Measure instructions: Instrument in linear setting.

Input signal: Sinus Burst; Frequency: 2500 Hz; Low Level: 33 dB; High Level: 60 dB; Interval: 250 ms; On; Time: 125 ms;

⁶ IRIL = Input Related Interference Level

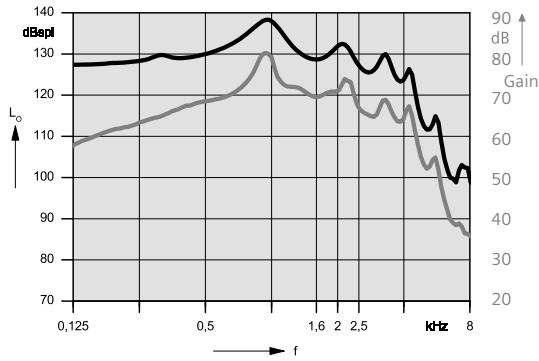
⁷ AI-DI : AI=Articulation Index DI=Weighted Directivity Index

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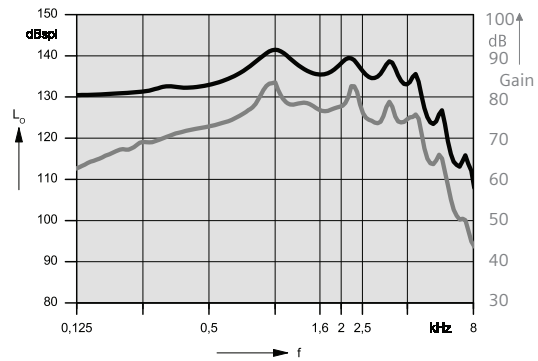
Earhook

2 ccm coupler

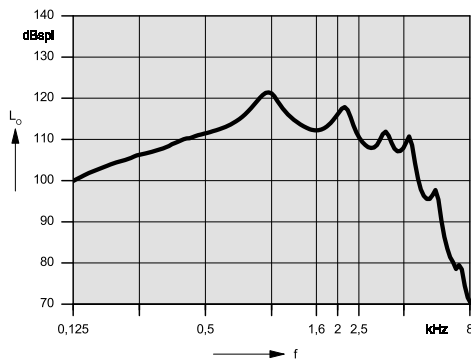


Output Sound Pressure Level (Li = 90 dB)
Full on Gain (Li = 50 dB)

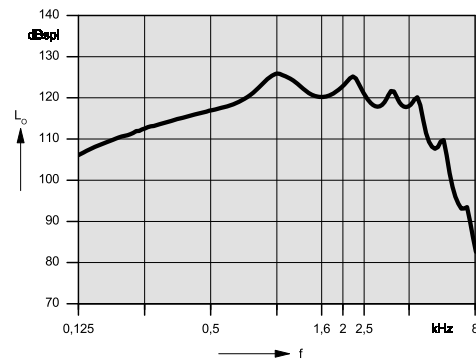
Ear simulator



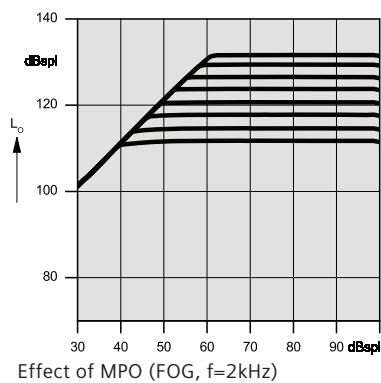
Output Sound Pressure Level (Li = 90 dB)
Full on Gain (Li = 50 dB)



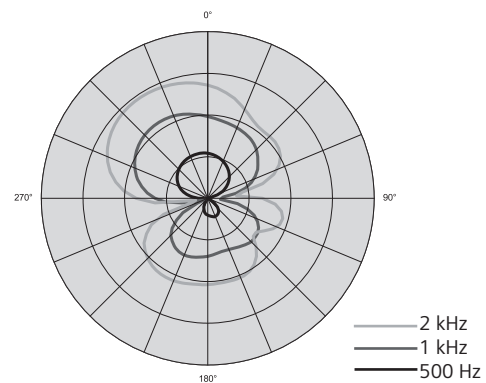
Frequency Response (Li = 60 dB)



Basic Acoustic Response (Li = 60 dB)



Effect of MPO (FOG, f=2kHz)



Directional Characteristic

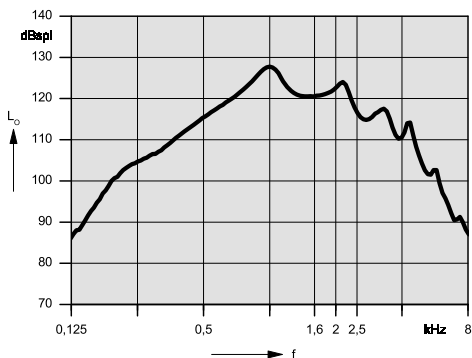
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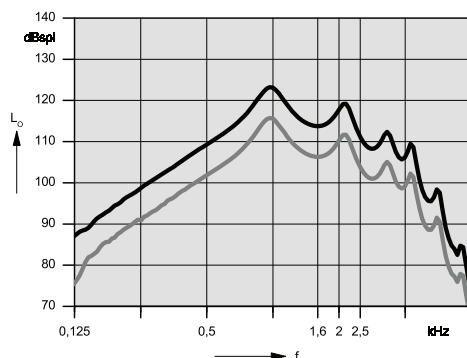
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Inductive Response



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



SPLITS curve right (H=31,6 mA/m) ANSI S3.22-2003

SPLITS curve left (H=31,6 mA/m) ANSI S3.22-2003

Order numbers

072 126 78 Earhook small
 072 278 74 Eyeglass adapter
 100 546 17 Audio shoe

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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