

# AURORA 4 Pro Open



## Order numbers for BTE instruments

102 983 88 Aurora 4 Pro Open beige  
102 983 89 Aurora 4 Pro Open grey



## 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

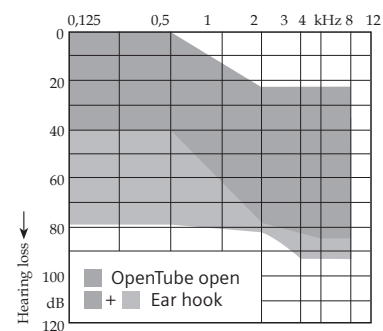
## Short description

- Fully digital 4 channel amplifier
- 4 AGC-I controls
- 1 Flexible crossover frequency
- Power on delay
- Low battery beeps
- Program change beeps
- Microphone noise reduction
- Programmable telecoil
- Compatible with cell-phones and wireless phones

## Highlights

- 4-channel adaptive Noise Reduction System
- Directional microphone
- Antiphase Feedback Cancellation

## Fitting Range



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# AURORA 4 Pro Open

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	2 ccm coupler		Ear simulator
	IEC 118-7/A1 Earhook/OpenTube	ANSI S3.22-1996 Earhook/OpenTube	IEC 118-0/A1 Earhook/OpenTube
<b>Output Sound Pressure Level (OSPL)</b>			
at 2.5 kHz	123/114 dB	–	132/124 dB
Peak	124/123 dB	124/123 dB	132/127 dB
HFA <sup>1</sup> -OSPL 90	–	122/115 dB	–
<b>Gain (Input 50 dB)</b>			
FOG <sup>2</sup> at 2.5 kHz	54/42 dB	–	63/52 dB
FOG (Peak)	55/47 dB	55/47 dB	64/53 dB
HFA-FOG	–	51/41 dB	–
Reference Test Gain	47/35 dB	45/38 dB	55/45 dB
<b>Frequency Range</b>			
Low frequency limit	130/100 Hz	100/100 Hz	280/100 Hz
High frequency limit	6100/5400 Hz	6300/5800 Hz	6300/5700 Hz
<b>Total Harmonic Distortion</b>			
500 Hz	3/1 %	3/1 %	3/1 %
800 Hz	2/1 %	2/1 %	2/1 %
1600 Hz	1/1 %	1/1 %	1/1 %
<b>Equivalent Input Noise</b>	16 dB	19 dB	18 dB
<b>Induction Coil Sensitivity</b>			
MASL <sup>3</sup> (1mA/m)	85/73 dB	82/71 dB	92/83 dB
HFA SPLITS <sup>4</sup> (left/right)	–	(104/102) / (97/94) dB	–
STS <sup>5</sup> (left/right)	–	(-1/-3) / (-1/-4) dB	–
<b>AGC-O</b>			
Attack time	–	5 ms	–
Release time	–	95 ms	–
<b>Battery Type 13</b>			
Battery current	~ 0.7 mA	~ 0.8 mA	~ 0.7 mA
Battery Life	~ 320 h	~ 280 h	~ 320 h
<b>IRIL<sup>6</sup> IEC 118-13:2004 (bystander)</b>			
800-960 MHz		- 10 dB	
1400-2000 MHz		- 10 dB	
<b>AIDI</b>		3.5	

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

<sup>1</sup> HFA = High Frequency Average;

<sup>2</sup> FOG = Full On Gain;

<sup>3</sup> MASL = Magneto Acoustical Sensitivity Level;

<sup>4</sup> SPLITS = Coupler SPL for an Inductive Telephone Simulator;

<sup>5</sup> 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;

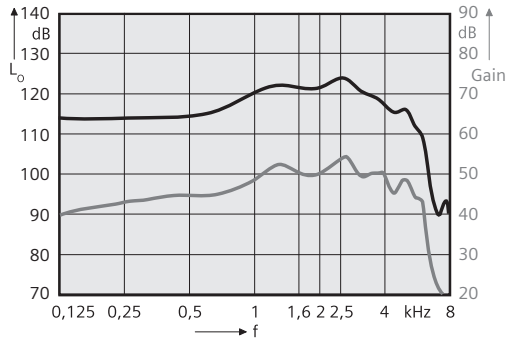
<sup>6</sup> IRIL = Input Related Interference Level

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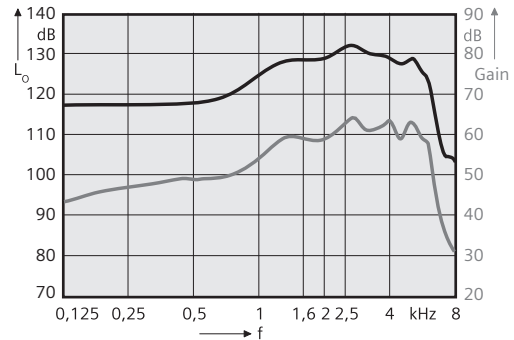
## Earhook

### 2 ccm coupler

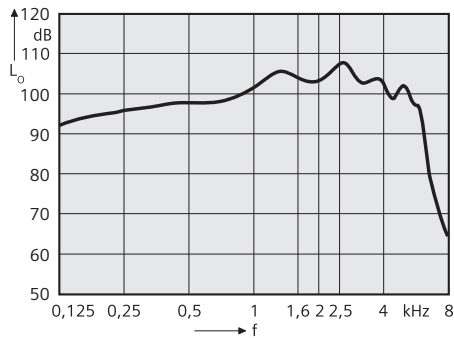


Output Sound Pressure Level ( $L_i = 90$  dB)  
Full on Gain ( $L_i = 50$  dB)

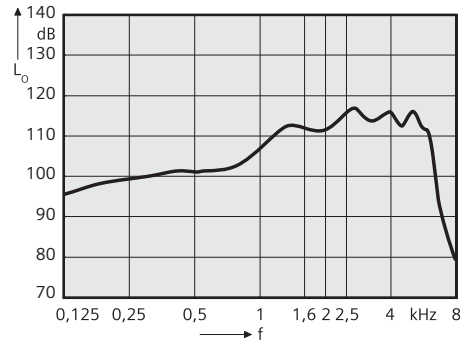
### Ear simulator



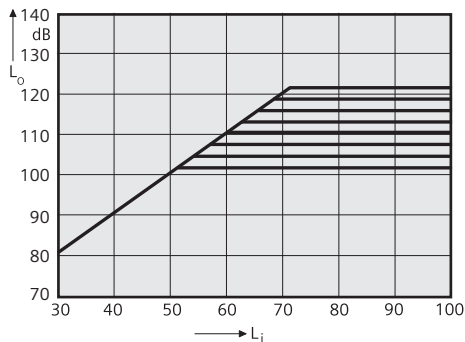
Output Sound Pressure Level  
Full on Gain ( $L_i = 50$  dB)



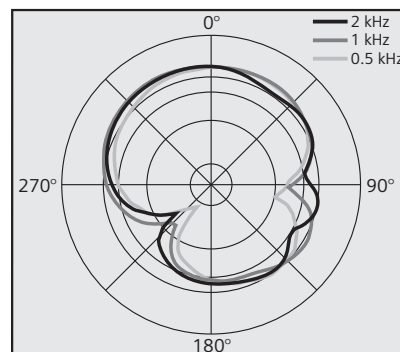
Frequency Response ( $L_i = 60$  dB)



Basic Acoustic Response ( $L_i = 60$  dB)



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



Directional Characteristic

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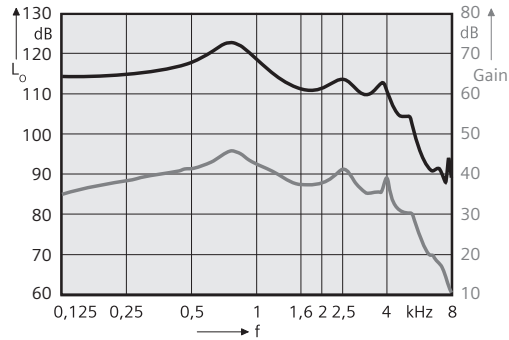
D



# AURORA 4 Pro Open

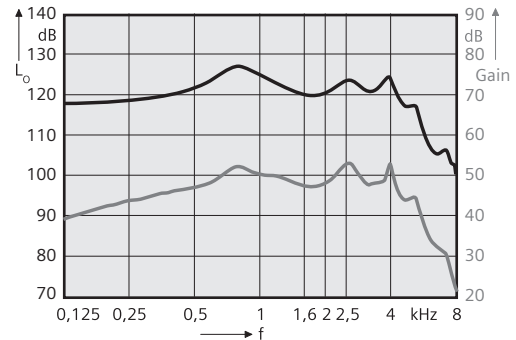
## Open Tube

### 2 ccm coupler

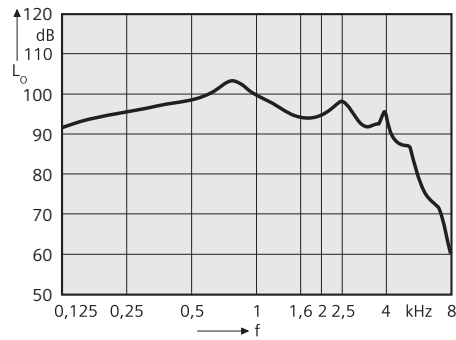


Output Sound Pressure Level ( $L_i = 90$  dB)  
Full on Gain ( $L_i = 50$  dB)

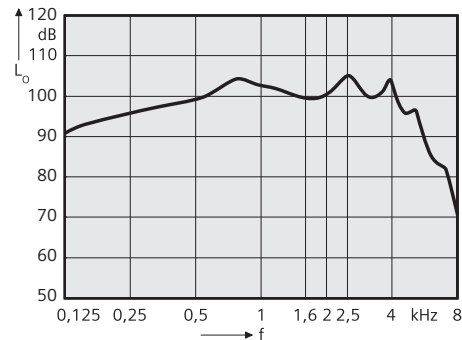
### Ear simulator



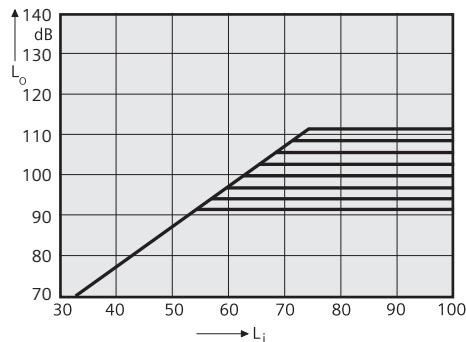
Output Sound Pressure Level  
Full on Gain ( $L_i = 50$  dB)



Frequency Response ( $L_i = 60$  dB)



Basic Acoustic Response ( $L_i = 60$  dB)



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

**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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