



Compact high gain BTE with battery size 13 and AudioZoom

Warning to dispenser:

This hearing instrument has an output sound pressure level that can exceed 132 dB SPL. Special care should be taken when fitting this instrument as there is a risk of impairing the residual hearing of the user.

Unless otherwise specified, all data obtained are measured with the hook type HE7 680 and in the dSC mode.

Measurements were taken in July 2005 and are subject to change without notice.

Ear simulator data

EN / IEC 60118 and IEC 60711

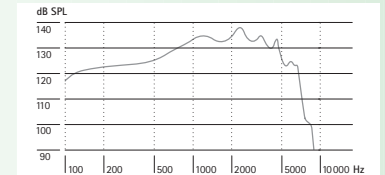
Output sound pressure level

(Input 90 dB SPL)

Maximum	1600 Hz
138 dB SPL	133 dB SPL

Frequency response

— Max. gain
(Input 90 dB SPL)



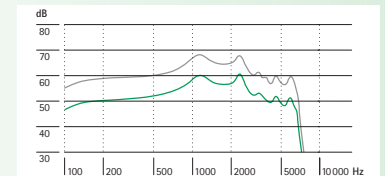
Acoustic gain

(Input 50 dB SPL)

Maximum	1600 Hz	RTG
68 dB	64 dB	57 dB

Frequency response

— Max. gain
(Input 50 dB SPL)
— Reference test gain
(Input 60 dB SPL)



Frequency range (DIN 45605)	<100 – 6800 Hz		
Total harmonic distortion	500 Hz	800 Hz	1600 Hz
	3 %	2 %	1 %
Battery current	Quiescent	Working	
	0.8 mA	0.9 mA	
Equivalent input noise level	19 dB SPL		

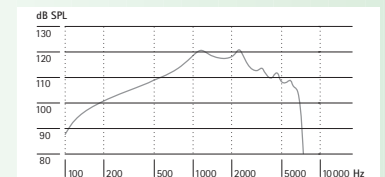
Induction coil sensitivity

(Input 1 mA/m)

Maximum	1600 Hz
99 dB SPL	94 dB SPL

Frequency response

— Reference test gain
(Input 31.6 mA/m)



Dynamic data

Compression	Attack time	Recovery time
	1 ms	10 ms

eXtra™ 311 AZ

2 cm³ coupler data

ANSI S3.22-1996

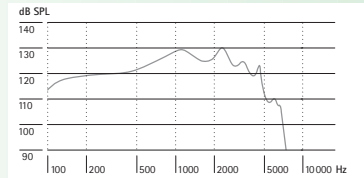
Output sound pressure level

(Input 90 dB SPL)

Maximum	HFA
130 dB SPL < 133 dB SPL	127 dB SPL

Frequency response

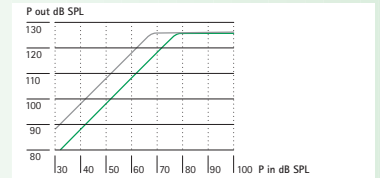
— Full-on-gain
(Input 90 dB SPL)



2 cm³ coupler data

Input / Output characteristics at 2000 Hz

— Full-on-gain
— Reference test gain



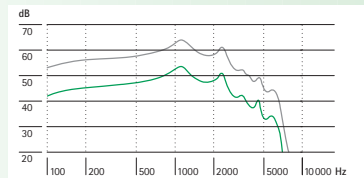
Acoustic gain

(Input 50 dB SPL)

Maximum	HFA	RTG
63 dB	58 dB	50 dB

Frequency response

— Full-on-gain
(Input 50 dB SPL)
— Reference test gain
(Input 60 dB SPL)



Frequency range < 100 – 6500 Hz

Total harmonic distortion	500 Hz	800 Hz	1600 Hz
	2 % < 5 %	1 % < 4 %	1 % < 4 %

Battery current	Quiescent	Working
	0.8 mA	0.9 mA < 1.1 mA

Equivalent input noise level 19 dB SPL < 22 dB SPL

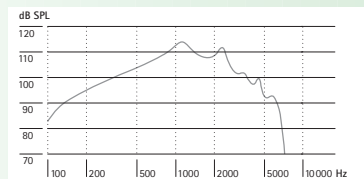
Induction coil sensitivity

(Input 31.6 mA/m)

HFA – SPLIV	TLS
110 dB SPL	0 dB

Frequency response

— Reference test gain
(Input 31.6 mA/m)



Dynamic data

Compression	Attack time	Recovery time
	1 ms	10 ms