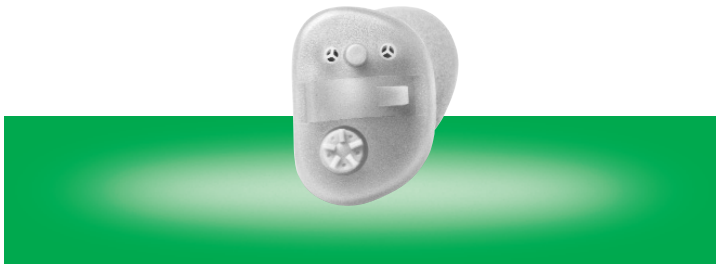
Technical Data

eXtra™ 22 ITC / HS AZ

CE 0459



Canal / half shell with battery size 312 and AudioZoom

Unless otherwise specified, all data obtained are measured with a 5 mm tubing 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

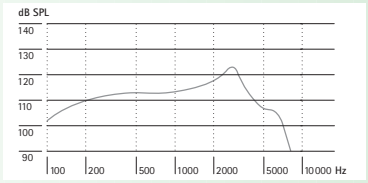
Output sound pressure level

(Input 90 dB SPL)

Maximum	1600 Hz
123 dB SPL	115 dB SPL

Frequency response

— Max. gain (Input 90 dB SPL)



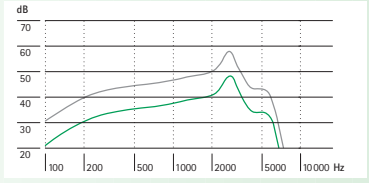
Acoustic gain

(Input 50 dB SPL)

Maximum	1600 Hz	RTG
58 dB	49 dB	40 dB

Frequency response

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



Frequency range (DIN 45605)	150 – 6500 Hz		
Total harmonic distortion	500 Hz	800 Hz	1600 Hz
	2.0 %	1.5 %	1.5 %
Battery current	Quiescent	Working	
	1.0 mA	1.1 mA	
Equivalent input noise level	19 dB SPL		

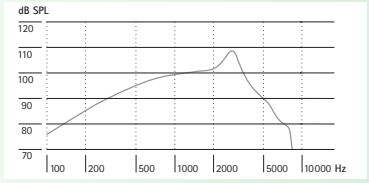
Induction coil sensitivity

(Input 1 mA/m)

Maximum	1600 Hz
90 dB SPL	82 dB SPL

Frequency response

— Reference test gain (Input 31.6 mA/m)



Dynamic data

Compression	Attack time	Recovery time
	1 ms	10 ms

PHONAK hearing systems

Technical Data

eXtra™ 22 ITC / HS AZ

2 cm³ coupler data

ANSI S3.22-1996

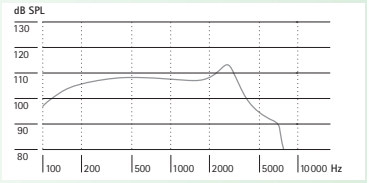
Output sound pressure level

(Input 90 dB SPL)

Maximum	HFA
113 dB SPL < 116 dB SPL	109 dB SPL

Frequency response

— Full-on-gain
(Input 90 dB SPL)



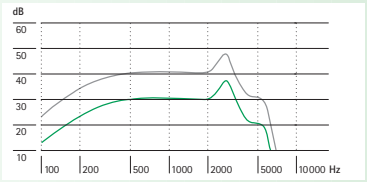
Acoustic gain

(Input 50 dB SPL)

Maximum	HFA	RTG
48 dB	42 dB	32 dB

Frequency response

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



Frequency range	< 100 – 6400 Hz		
Total harmonic distortion	500 Hz	800 Hz	1600 Hz
	1.5 % < 4.5 %	1.0 % < 4.0 %	1.0 % < 4.0 %
Battery current	Quiescent	Working	
	1.0 mA	1.1 mA < 1.3 mA	
Equivalent input noise level	19 dB SPL < 22 dB SPL		

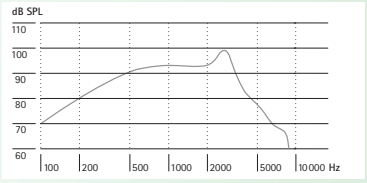
Induction coil sensitivity

(Input 31.6 mA/m)

HFA – SPLIV	TLS
94 dB SPL	+2 dB

Frequency response

— Reference test gain
(Input 31.6 mA/m)



Dynamic data

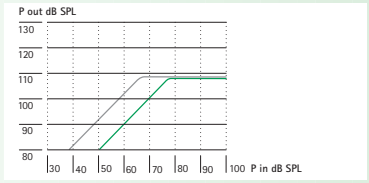
Compression	Attack time	Recovery time
	1 ms	10 ms

2 cm³ coupler data

Input / Output characteristics at 2000 Hz

— Full-on-gain

— Reference test gain



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hearing systems