

# microPower™ IX 300 dSZ



microPower BTE with battery size 312, external receiver and digital SurroundZoom

## Ear simulator data

EN / IEC 60118 and IEC 60711

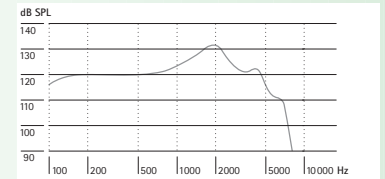
### Output sound pressure level

(Input 90 dB SPL)

Maximum	1600 Hz
132 dB SPL	130 dB SPL

### Frequency response

— FOG setting  
(Input 90 dB SPL)



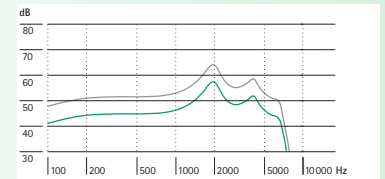
### Acoustic gain

(Input 50 dB SPL)

Maximum	1600 Hz	RTG (FOG - 7 dB)
64 dB	60 dB	53 dB

### Frequency response

— FOG setting  
(Input 50 dB SPL)  
— RTG setting  
(Input 60 dB SPL)



Frequency range (DIN 45605) <100 – 7000 Hz

Total harmonic distortion	500 Hz	800 Hz	1600 Hz
	1.5%	1.5%	0.5%

Battery current	Quiescent	Working
	1.0 mA	1.1 mA

Equivalent input noise level 19 dB SPL

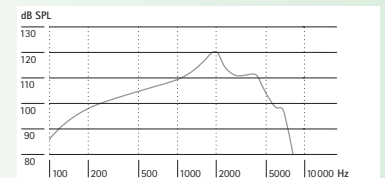
### Induction coil sensitivity

(Input 1 mA/m)

Maximum	1600 Hz
97 dB SPL	93 dB SPL

### Frequency response

— RTG setting  
(Input 31.6 mA/m)



### Dynamic data

Compression	Attack time	Recovery time
	1 ms	10 ms

Unless otherwise specified, all data obtained are measured with a 7 mm tubing onto a HA-1 coupler (ANSI-S3.7-1995) or an occluded-ear simulator (EN 60711, coupling arrangement according to fig. 4 in the test standard), and in linear measurement settings.

Measurements were taken in February 2006 and are subject to change without notice.

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## 2 cm<sup>3</sup> coupler data

ANSI S3.22-1996

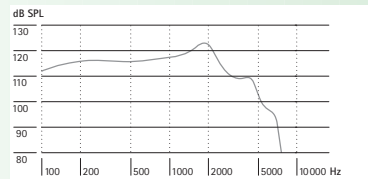
### Output sound pressure level

(Input 90 dB SPL)

Maximum	HFA
123 dB SPL	118 dB SPL

### Frequency response

— FOG setting  
(Input 90 dB SPL)

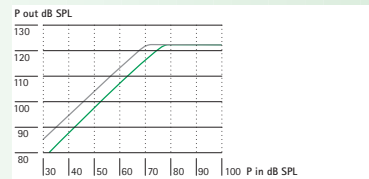


## 2 cm<sup>3</sup> coupler data

### Input / Output characteristics at 2000 Hz

— FOG setting

— RTG setting



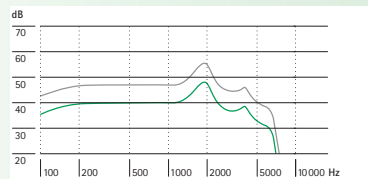
### Acoustic gain

(Input 50 dB SPL)

Maximum	HFA	RTG
55 dB	48 dB	41 dB

### Frequency response

— FOG setting  
(Input 50 dB SPL)  
— RTG setting  
(Input 60 dB SPL)



Frequency range <100–6900 Hz

Total harmonic distortion	500 Hz	800 Hz	1600 Hz
	1.5 %	1 %	0.5 %

Battery current	Quiescent	Working
	1.0 mA	1.1 mA

Equivalent input noise level 19 dB SPL

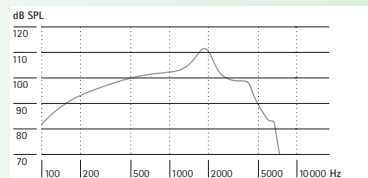
### Induction coil sensitivity

(Input 31.6 mA/m)

HFA – SPLIV	TLS
104 dB SPL	3 dB

### Frequency response

— RTG setting  
(Input 31.6 mA/m)



### Dynamic data

Compression	Attack time	Recovery time
	1 ms	6 ms