



MicroBTE with external receiver standard with battery size 312 (optional 10) and digital SurroundZoom

Measuring microSavia Art CRT dSZ

Unless otherwise specified, all data obtained are measured in a closed configuration with a coupling disc (Art. No. 002-0412) 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 the iPFG measurement settings. For further information refer to the Fit'nGo CRT Kit instructions.

Note: Measurements with pure tones of a digital hearing instrument can result in a wavy frequency response. This is an artifact resulting from the use of a very narrowband input signal and does not reflect the actual performance with naturally occurring broadband input signals.

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

Ear simulator data

EN / IEC 60118 and IEC 60711

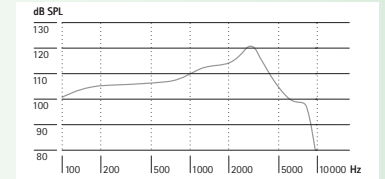
Output sound pressure level

(Input 90 dB SPL)

Maximum	1600 Hz
121 dB SPL	113 dB SPL

Frequency response

— Max. gain  
(Input 90 dB SPL)



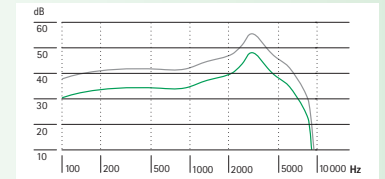
Acoustic gain

(Input 50 dB SPL)

Maximum	1600 Hz	RTG (FOG-7 dB)
56 dB	46 dB	38 dB

Frequency response

— Max. gain  
(Input 50 dB SPL)  
— Reference test gain  
(Input 60 dB SPL)  
(FOG - 7 dB)



Frequency range (DIN 45605) <100 – 8300 Hz

Total harmonic distortion	500 Hz	800 Hz	1600 Hz
	1.0%	1.0%	0.5%

Battery current	Quiescent	Working
	1.0 mA	1.0 mA

Equivalent input noise level 19 dB SPL

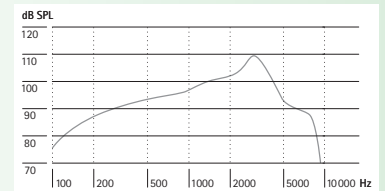
Induction coil sensitivity

(Input 1mA/m)

Maximum	1600 Hz
87 dB SPL	78 dB SPL

Frequency response

— RTG setting  
(Input 31.6mA/m)



Dynamic data

Compression	Attack time	Recovery time
	1 ms	10 ms

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

ANSI S3.22-1996

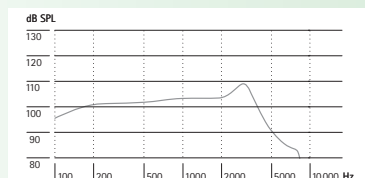
### Output sound pressure level

(Input 90 dB SPL)

Maximum	HFA
109 dB SPL < 112 dB SPL	105 dB SPL

### Frequency response

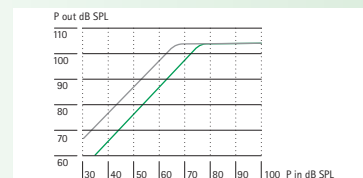
— Full-on-gain  
 (Input 90 dB SPL)



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

### Input / Output characteristics at 2000 Hz

— Full-on-gain  
 — Reference test gain



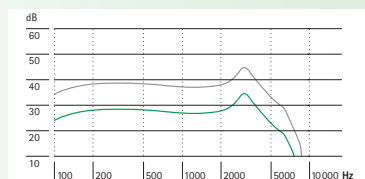
### Acoustic gain

(Input 50 dB SPL)

Maximum	HFA	RTG
44 dB	38 dB	28 dB

### Frequency response

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



Frequency range < 100 – 7900 Hz

Total harmonic distortion	500 Hz	800 Hz	1600 Hz
	1.0% < 4.0%	0.5% < 3.5%	0.5% < 3.5%

Battery current	Quiescent	Working
	1.0 mA	1.0 mA < 1.2 mA

Equivalent input noise level 19 dB SPL < 22 dB SPL

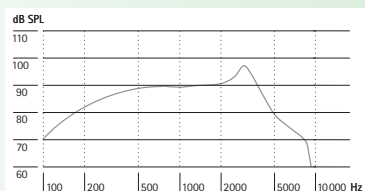
### Induction coil sensitivity

(Input 31.6 mA/m)

HFA – SPLIV	TLS
91 dB SPL	3 dB

### Frequency response

RTG setting  
 (Input 31.6 mA/m)



### Dynamic data

Compression	Attack time	Recovery time
	1 ms	10 ms