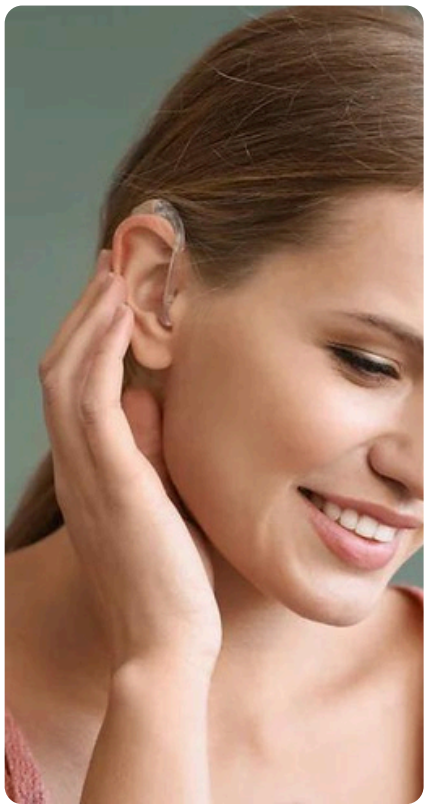
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DATA SHEET

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Motion SP primax

Technical Data

7px | 5px | 3px | 2px | 1px



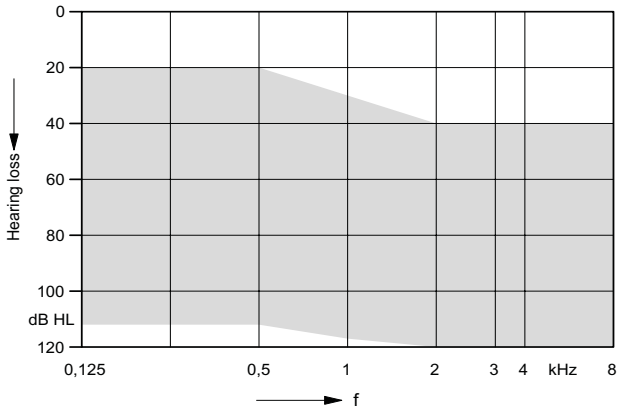
Earhook

- 85 dB / 144 dB SPL (ear simulator)
- 82 dB / 140 dB SPL (2 ccm coupler)

Motion SP primax | Technical Data

Type	Earhook undamped	
		
Output sound pressure level	**2 ccm coupler**	**Ear simulator**
at 1.6 kHz	–	136 dB SPL
Peak	140 dB SPL	144 dB SPL
HFA-OSPL 90	130 dB SPL	–
Gain		
Full on gain (FOG) at 1.6 kHz	–	78 dB
Full on gain (Peak)	82 dB	85 dB
HFA-FOG	72 dB	–
Reference test gain	53 dB	62 dB
Frequency, noise and directivity		
Frequency range	100 - 5000 Hz	100 - 5100 Hz
Equivalent input noise	18 dB	18 dB
Total harmonic distortion at 500 / 800 / 1600 Hz	2 / 1 / 2 %	4 / 2 / 2 %
Tinnitus noiser broadband	94 dB	–
AI-DI	3.7 dB	
Latency	< 15 ms	< 15 ms
Inductive coil sensitivity		
MASL (1 mA/m) at 1.6 kHz	–	108 dB
HFA MASL (1 mA/m)	100 dB	–
HFA SPLITS (left/right)	111 / 111 dB	–
RSETS (left/right)	-2 / -2 dB	–
AGC-O (fully activated)		
Attack / release Time	3 / 90 ms	–
Battery		
Battery voltage	1.3 V	
Battery current drain	2.1 mA	
Battery life (cell zinc air)	~ 180 h	
Battery life (rechargeable)	–	
IRIL IEC 118-13:2011 (bystander)		
800-960 MHz	< -33 dB SPL	
1400-2000 MHz	< -7 dB SPL	
ANSI C63.19	M3 / T3	

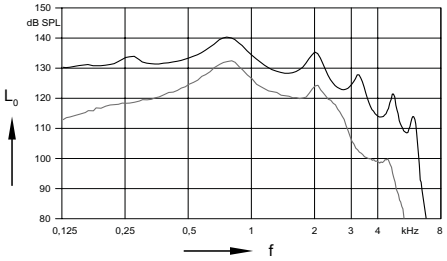
Motion SP primax | Fitting Range



Earhook undamped

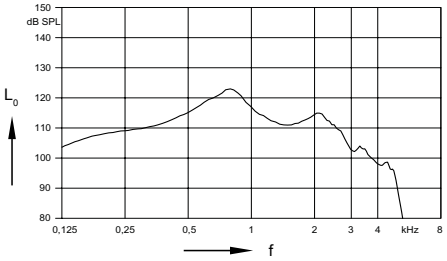
Motion SP primax (Earhook undamped) | Basic Data

2 ccm coupler



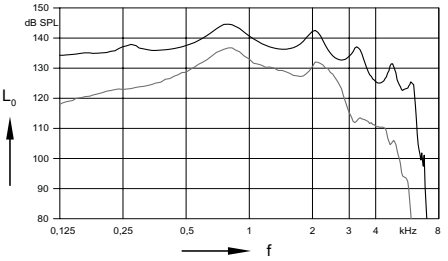
Output sound pressure level (L_I = 90 dB)

Full on gain (L_I = 50 dB)



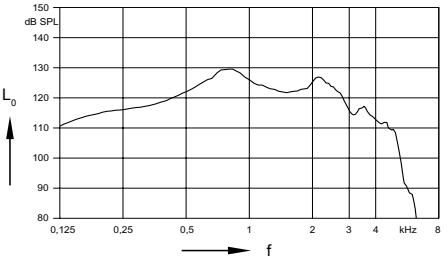
Frequency response (L_I = 60 dB)

Ear simulator



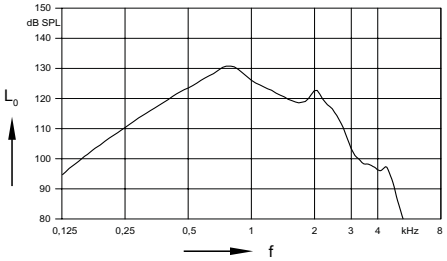
Output sound pressure level (L_I = 90 dB)

Full on gain (L_I = 50 dB)



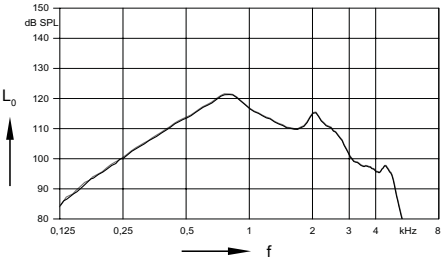
Basic acoustic response (L_I = 60 dB)

Inductive response



Inductive response (H = 10 mA/m)

Full on gain (L_I = 50 dB)



SPLITS curve left (H = 31.6 mA/m)

SPLITS curve right (H = 31.6 mA/m)

Motion SP primax | Features and Accessories

	7px	5px	3px	2px	1px
Audiology					
Signal processing (channels) **/ Gain/MPO** (handles)	24 / 16	24 / 16	24 /12	16 / 8	16 / 8
Hearing programs	6	6	6	4	4
SpeechMaster	●	●	●	●	●
HD Music (presets)	3	1	1	—	—
TwinPhone[1)]	●	●	●	—	—
EchoShield	●	—	—	—	—
Wireless CROS/BICROS[2)]	●	●	●	—	—
Directionality (channels)	32	32	24	16	16
Narrow Directionality[1)]	■■■■■	■■■■	■■■	—	—
Directional microphone	■■■■■	■■■■	■■■	■■	■■
Spatial SpeechFocus[1)]	■■■■■	—	—	—	—
SpeechFocus	■■■■	■■■■	—	—	—
TruEar™	■■■■■	■■■■	■■■	—	—
Frequency compression	●	●	●	●	●
Extended bandwidth	—	—	—	—	—
Feedback cancellation	●	●	●	●	●
eWindScreen binaural[1)]	●	●	—	—	—
eWindScreen™ (steps)	3	3	on / off	on / off	—
Noise Reduction (channels / steps)	32 / 5	32 / 5	24 / 3	16 / 3	16 / on/off
Speech and noise management (steps)	7	5	3	3	on / off
SoundSmoothing™ (steps)	3	3	1	on / off	—
Directional speech enhancement (steps)	3	1	—	—	—
Adaptive streaming volume[3)]	●	—	—	—	—
SoundBrilliance™ [3)]	●	●	—	—	—
Sound equalizer (classes)	6	3	—	—	—
Spatial Configurator[1)]	●	●	—	—	—
Span[4)]	●	●	—	—	—
Direction[5)]	●	●	—	—	—
SoundBalance	●	●	●	●	●
Fitting					
Insitugram	●	●	●	●	●
Learning (classes) **/ Data logging**	6 / ●	3 / ●	1 / ●	— / ●	— / ●
Acclimatization manager	●	●	●	●	●
Tinnitus					
Tinnitus noiser					
Static therapy signal (handles / presets)	16 / 5	16 / 5	12 / 5	4 / 1	—
Ocean Waves therapy signal (presets)	4	4	4	—	—
Notch therapy	—	—	—	—	—

Motion SP primax | Features and Accessories

Style Specific Features	7px / 5px / 3px	2px / 1px
Ingress Protection Rating	IP67	IP67
Telecoil	●	●
AutoPhone™	●	—
Charging contacts	—	—
Battery Size	675	675
Battery door on/off function	●	●
Nanocoated housing	●	●
e2e wireless™ 3.0	●	●
Audio streaming with easyTek	●	●
User controls coupling via e2e	●	●
Wireless programming	●	●
Instrument configurations		
Flat cover	—	—
Rotary volume control	—	—
Push button	●	●
Rocker switch	●	●
Color conversion kit	only top housing	only top housing
Battery door – direct audio input	○	○
Battery door – child lock	○	○
LED status indicator	●	●
Small earhook	○	○
Programming Accessories		
ConnexxAir, ConnexxLink™	●	●
Programming adapter / cable	CS44	CS44
Accessories		
miniPocket	○	○
CROS Pure	○	—
eCharger	—	—
easyPocket™	○	○
easyTek	○	○
TV Transmitter (req. easyTek)	○	○
Transmitter (req. easyTek)	○	○
VoiceLink™ (req. easyTek)	○	○
App		
easyTek App (req. easyTek)	○	○
touchControl App	○	○

● available ■■■■■ highest feature performance ○ optional — not available

[1] req. bilateral fitting and e2e™ 3.0
[2] req. CROS Pure accessory
[3] streaming only, req. easyTek™
[4] req. easyTek & easyTek App, touchControl App or Rocker switch
[5] req. easyTek & easyTek App or touchControl App

Notes

Abbreviations and Standards

Abbreviations

The following abbreviations are used in this datasheet:

OSPL	Output Sound Pressure Level
HFA	High Frequency Average
FOG	Full-On Gain
MASL	Magneto Acoustical Sensitivity Level
SPLITS	Coupler SPL for an Inductive Telephone Simulator
RSETS	Relative Equivalent Telephone Sensitivity
AI-DI	Articulation Index - Directivity Index
IRIL	Input Related Interference Level
RTF	Reference Test Frequency

Standards

- All measurements with the 2 ccm coupler were performed according to ANSI S3.22-2009 and IEC 60118-7:2005 if applicable.
- All measurements with an ear simulator were performed according to IEC 118-0/A1 and to DIN 45605 (frequency range) if applicable.
- Tinnitus noiser measurement conditions: all tinnitus single frequency sliders in max position, master volume slider in default position (0 dB) and local volume control in default position.
- The following ear pieces were used:
  - Earhook

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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Subject to change
without prior notice