

Motion S primax™

Technical Data

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2px

1px

**Earhook damped**



- 62 dB / 132 dB SPL (ear simulator)
- 55 dB / 124 dB SPL (2 ccm coupler)

LifeTube

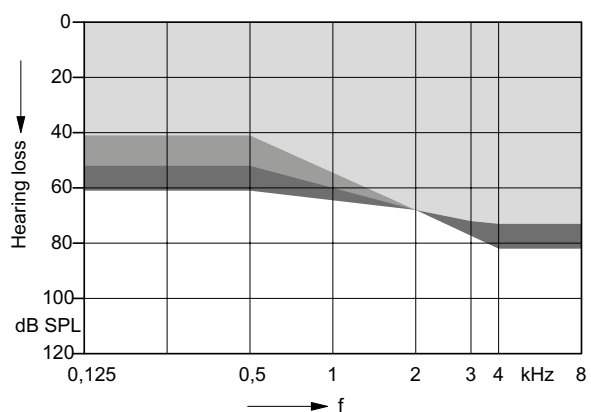
- 53 dB / 125 dB SPL (ear simulator)
- 45 dB / 124 dB SPL (2 ccm coupler)

Hearing
Systems**SIEMENS**

Motion S primax | Technical Data

Type	Earhook damped		LifeTube	
				
	2 ccm coupler	Ear simulator	2 ccm coupler	Ear simulator
Output sound pressure level				
at 1.6 kHz	–	129 dB SPL	–	116 dB SPL
Peak	124 dB SPL	132 dB SPL	124 dB SPL	125 dB SPL
HFA-OSPL 90	121 dB SPL	–	113 dB SPL	–
Gain				
Full on gain (FOG) at 1.6 kHz	–	49 dB	–	48 dB
Full on gain (Peak)	55 dB	62 dB	45 dB	53 dB
HFA-FOG	42 dB	–	41 dB	–
Reference test gain	42 dB	42 dB	36 dB	41 dB
Frequency, noise and directivity				
Frequency range	110-7100 Hz	1000-7100 Hz	100-7100 Hz	280-7100 Hz
Equivalent input noise	20 dB SPL	23 dB SPL	15 dB SPL	15 dB SPL
Total harmonic distortion at 500 / 800 / 1600 Hz	2 / 1 / 1 %	2 / 1 / 1 %	1 / 1 / 2 %	1 / 1 / 2 %
Tinnitus noiser broadband	70 dB SPL	–	70 dB SPL	–
AI-DI	3.5 dB		3.5 dB	
Inductive coil sensitivity				
MASL (1 mA/m) at 1.6 kHz	–	–	–	–
HFA MASL (1 mA/m)	–	–	–	–
HFA SPLITS (left/right)	–	–	–	–
RSETS (left/right)	–	–	–	–
Battery				
Battery voltage	1.3 V		1.3 V	
Battery current drain	0.9 mA		0.9 mA	
Battery life (cell zinc air)	~125 h		~125 h	
Battery life (rechargeable)	–		–	
IRIL IEC 118-13:2011 (bystander)				
800-960 MHz	<-10 dB SPL		<-10 dB SPL	
1400-2000 MHz	<-10 dB SPL		<-10 dB SPL	
ANSI C63.19	M3		M3	

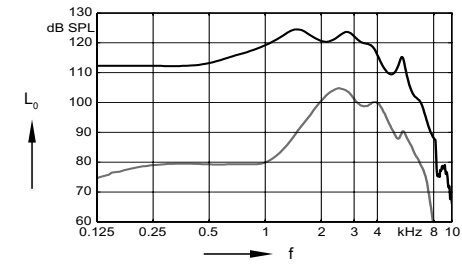
Motion S primax | Fitting Range



- LifeTube open
- LifeTube double
- Earhook

Motion S primax (Earhook damped) | Basic Data

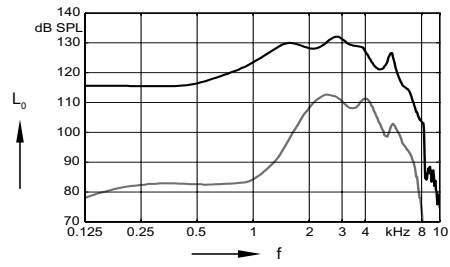
2 ccm coupler



Output sound pressure level
(L_i = 90 dB)

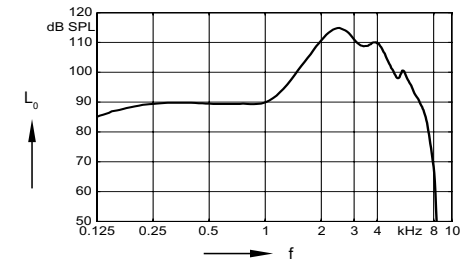
Full on gain
(L_i = 50 dB)

Ear simulator

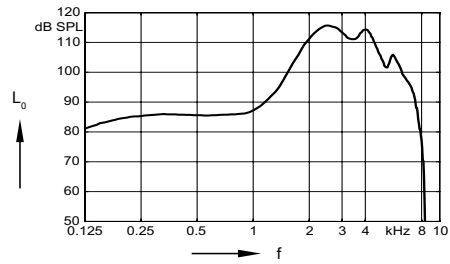


Output sound pressure level
(L_i = 90 dB)

Full on gain
(L_i = 50 dB)



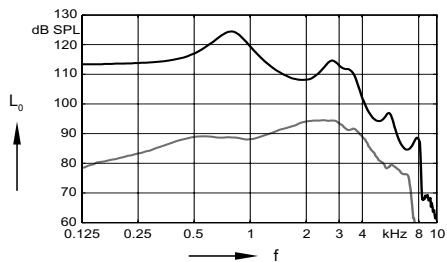
Frequency response
(L_i = 60 dB)



Basic acoustic response
(L_i = 60 dB)

Motion S primax (LifeTube) | Basic Data

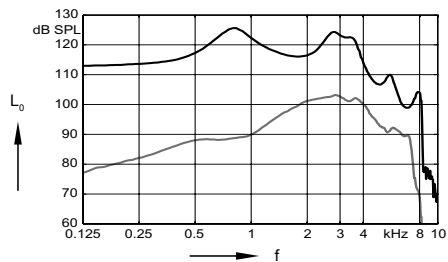
2 ccm coupler



Output sound pressure level
(L₁ = 90 dB)

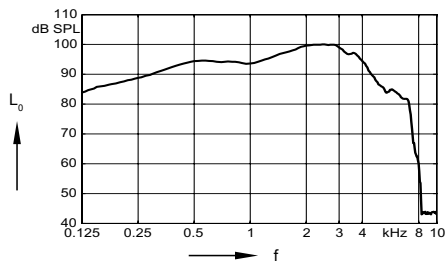
Full on gain
(L₁ = 50 dB)

Ear simulator

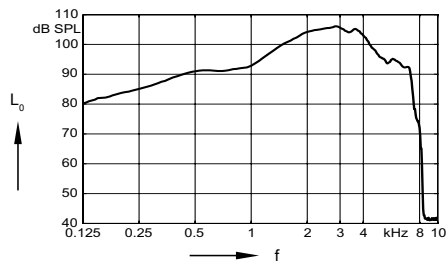


Output sound pressure level
(L₁ = 90 dB)

Full on gain
(L₁ = 50 dB)



Frequency response
(L₁ = 60 dB)



Basic acoustic response
(L₁ = 60 dB)

Motion S primax | Features and Accessories

	3px	2px	1px
Audiology			
Signal processing (channels) / Gain/MPO (handles)	24 / 12	16 / 8	16 / 8
Hearing programs	6	4	4
SpeechMaster	●	●	●
HD Music (presets)	1	—	—
TwinPhone¹⁾	—	—	—
EchoShield	—	—	—
Wireless CROS/BICROS²⁾	—	—	—
Directionality (channels)	24	16	16
Narrow Directionality¹⁾	■ ■ ■	—	—
Directional microphone	■ ■ ■	■ ■	■ ■
Spatial SpeechFocus¹⁾	—	—	—
SpeechFocus	—	—	—
TruEar™	■ ■ ■	—	—
Frequency compression	●	●	●
Extended bandwidth	—	—	—
Feedback cancellation	●	●	●
eWindScreen binaural¹⁾	—	—	—
eWindScreen™ (steps)	on / off	on / off	—
Noise Reduction (channels / steps)	24 / 3	16 / 3	16 / on/off
Speech and noise management (steps)	3	3	on / off
SoundSmoothing™ (steps)	1	on / off	—
Directional speech enhancement (steps)	—	—	—
Adaptive streaming volume³⁾	—	—	—
SoundBrilliance™ ³⁾	—	—	—
Sound equalizer (classes)	—	—	—
Spatial Configurator¹⁾	—	—	—
Span⁴⁾	—	—	—
Direction⁵⁾	—	—	—
SoundBalance	●	●	●
Fitting			
Insitugram	●	●	●
Learning (classes) / Data logging	1 / ●	— / ●	— / ●
Acclimatization manager	●	●	●
Tinnitus			
Tinnitus noiser			
Static therapy signal (handles / presets)	12 / 5	4 / 1	—
Ocean Waves therapy signal (presets)	4	—	—
Notch therapy	●	—	—

Motion S primax | Features and Accessories

	3px / 2px / 1px
Style Specific Features	
Ingress Protection Rating	IP67
Telecoil	—
AutoPhone™	—
Charging contacts	—
Battery Size	312
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	○
Battery door – direct audio input	—
Battery door – child lock	—
Small earhook	○
Programming Accessories	
ConnexxAir, ConnexxLink™	●
Programming adapter / cable	size 312
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

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:
 - LifeTube
 - 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.

 **Legal Manufacturer**
Signia GmbH
Henri-Dunant-Strasse 100
91058 Erlangen
Germany
Phone +49 9131 308 0

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Order No. 02799-99T3-7600
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Warning

- Choking hazard posed by small parts.
- ▶ This instrument is not intended for the fitting of infants, children under 3 years and persons of mental incapacity.



Warning

- Instrument has an output sound pressure level of 132 dB SPL or more.
- Risk of impairing the residual hearing of the user.
- ▶ Take special care when fitting this instrument.