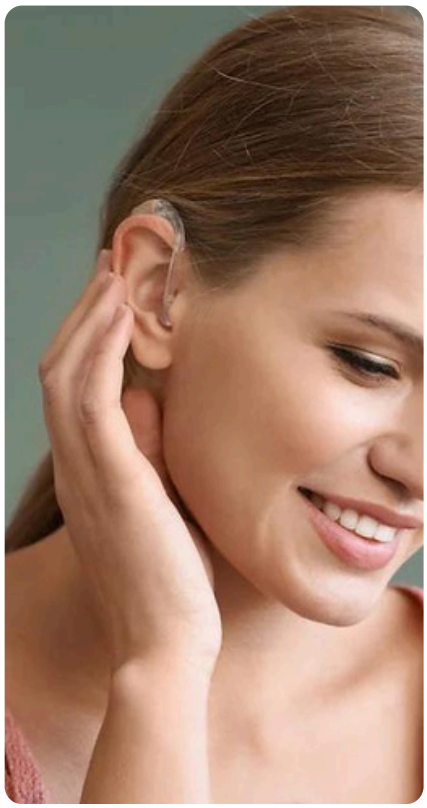
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DATA SHEET

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Silk X

Technical Data

7X | 5X | 3X | 2X | 1X | DX



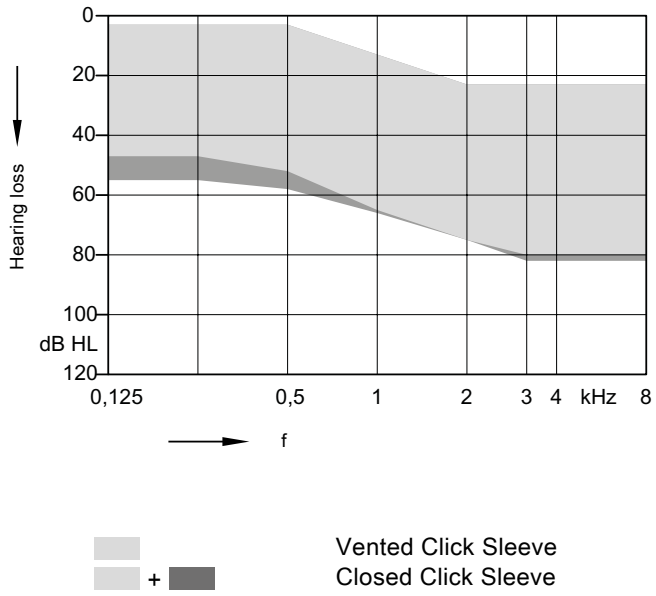
- 60 dB / 125 dB SPL (ear simulator)
- 50 dB / 114 dB SPL (2 ccm coupler)

Data sheet also applicable for Silk sDemo DX

Silk X | Technical Data

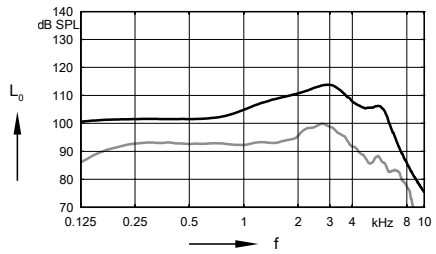
Output sound pressure level	2 ccm coupler	Ear simulator
OSPL 90 at 1.6 kHz	–	117 dB SPL
OSPL 90 (Peak)	114 dB SPL	125 dB SPL
HFA-OSPL 90	108 dB SPL	–
Gain		
FOG at 1.6 kHz	–	52 dB
FOG (Peak)	50 dB	60 dB
HFA-FOG	45 dB	–
Reference test gain	31 dB	42 dB
Frequency, noise and directivity		
Frequency range 7X 5X / 3X / 2X / 1X	100-8600 Hz 100-8000 Hz	110-9400 Hz 110-8000 Hz
Equivalent input noise	20 dB SPL	21 dB SPL
Total harmonic distortion at 500 / 800 / 1600 / 3200 Hz	2 / 3 / 2 / 1 %	3 / 5 / 6 / – %
Tinnitus noiser broadband	70 dB SPL	–
AI-DI	–	
Latency	< 15 ms	< 15 ms
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	
Battery current drain	1.2 mA	
Battery life (cell zinc air)	~70 h	
Battery life (rechargeable)	–	
IRIL IEC 60118-13:2016 Ed. 4.0		
700-960 MHz (rating)	user	
1400-2000 MHz (rating)	user	
2000-2700 MHz (rating)	user	
ANSI C63.19-2011		
800-950 MHz (rating)	M4	
1600-2500 MHz (rating)	M4	

Silk X | Fitting Range



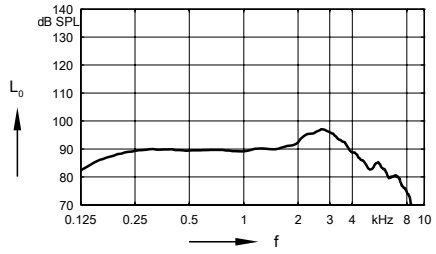
Silk X | Basic Data

2 ccm coupler



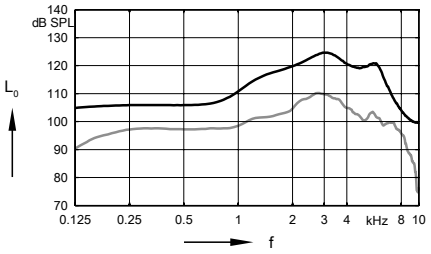
Max. Output sound pressure level (L_I = 90 dB)

Full on gain (L_I = 50 dB)



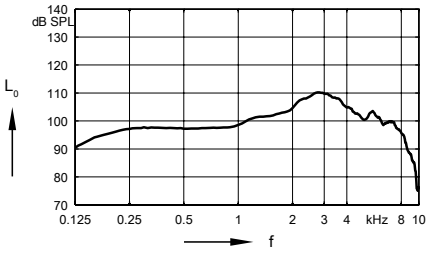
Frequency response (L_I = 60 dB)

Ear simulator



Max. Output sound pressure level (L_I = 90 dB)

Full on gain (L_I = 50 dB)



Basic acoustic response (L_I = 60 dB)

Silk X | Features and Accessories

	7X	5X	3X	2X	1X
Dynamic Soundscape Processing	■■■■	■■■■	■■■■	■■■	■■■
OVP (Own Voice Processing) [1]	–	–	–	–	–
Sound Clarity	■■■■■	■■■■	■■■	■■■	■■
Signal processing (channels) / Gain&MPO (handles)	48 / 20	32 / 16	24 / 12	16 / 8	16 / 8
Hearing programs	6	6	6	4	4
Extended dynamic range	✓	✓	✓	✓	✓
Extended bandwidth	✓	–	–	–	–
EchoShield	✓	–	–	–	–
HD Music (presets)	3	3	1	1	–
eWindScreen	✓	✓	✓	✓	–
Speech and noise management	✓	✓	✓	✓	✓
SoundSmoothing	✓	✓	✓	✓	–
Feedback cancellation	✓	✓	✓	✓	✓
Speech Quality	■■■■	■■■■	■■■	■■	■■
Binaural OneMic Directionality [1]	✓	✓	✓	–	–
Spatial SpeechFocus [1] [2]	–	–	–	–	–
TwinPhone [1]	✓	✓	✓	–	–
Frequency compression	✓	✓	✓	✓	✓
Wearer Interaction	■■■	■■■	■■■	■■■	■■■
Signia App (iOS and Android)	✓	✓	✓	✓	✓
Spatial Configurator	–	–	–	–	–
Adaptive Streaming Volume [3]	–	–	–	–	–
Direct Streaming	–	–	–	–	–
Made for iPhone	–	–	–	–	–
Tinnitus	✓	✓	✓	✓	–
Notched Amplification Therapy	✓	✓	✓	✓	–
Tinnitus noise therapy signal	✓	✓	✓	✓	–
Fitting	✓	✓	✓	✓	✓
Smart Optimizer and Data Logging	✓	✓	✓	✓	✓
Acclimatization manager	✓	✓	✓	✓	✓
InSituGram	✓	✓	✓	✓	✓
AutoFit	✓	✓	✓	✓	✓
TeleCare	✓	✓	✓	✓	✓
Remote Services	✓	✓	✓	✓	✓
Signia App	✓	✓	✓	✓	✓

[1] req. bilateral fitting
[2] for 5X, right / left directionality available only in Stroll Program and via the Spatial Configurator
[3] streaming only

■■■■■ highest feature performance ✓ available – not available

Silk X | Features and Accessories

	7X / 5X / 3X	2X / 1X
Style specific features		
Ingress Protection Rating	–	–
Charging contacts	–	–
Battery Size	10	10
Battery door on/off function	✓	✓
Nanocoated housing	–	–
e2e wireless 3.0	✓	✓
User controls coupling via e2e	–	–
Wireless programming	✓	✓
Instrument configurations		
Flat cover	–	–
Rotary volume control	–	–
Push button	–	–
Rocker switch	–	–
Color conversion kit	–	–
Color conversion kit with T-Coil	–	–
Battery door – child lock	–	–
Small earhook	–	–
Programming accessories		
ConnexxAir / ConnexxLink	✓ / –	✓ / –
NoahLink wireless	–	–
Programming adapter / cable	Flex connector	Flex connector
Accessories		
miniPocket	o	o
StreamLine TV	–	–
StreamLine Mic	–	–
CROS Pure 312 X	–	–
CROS Pure Charge&Go X	–	–
CROS Silk X	o	–

✓ available o optional – not available

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 S3.22-2014 and IEC 60118-0:2015 if applicable.
- All measurements with an ear simulator were performed according to IEC 118-0/A1:1994 and to DIN 45605 (frequency range) if applicable.
- Curves and figures representing FOG are measured with 20 dB reduction and 70 dB SPL input level.
- Figures representing Equivalent Input Noise incorporate a moderate expansion.
- Inductive coil sensitivity values, inductive response curves and T ratings apply for instruments with telecoil.
- 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 current consumption is measured in reference test setting (RTS) according to the applicable standards. Due to the settling behaviour of hearing instruments supporting RF (radio frequency), the battery current is measured 3 minutes after turning on (note: no pairing).
- The battery life is based on first fit settings using 60% of the fitting range and an ISTS (International Speech Test Signal) input signal at 65 dB SPL (note: pairing established). The actual battery life is determined by battery quality, hearing loss, sound environment, usage and activated feature set.
- Extended frequency range up to 12 kHz for 7X devices only.

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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