

# Fun P / SP

### **Technical Data**



### Fun P

### Earhook undamped

- 74 dB / 137 dB SPL (ear simulator)
- 70 dB / 132 dB SPL (2 ccm coupler)

### Fun SP

### Earhook undamped

- 83 dB / 144 dB SPL (ear simulator)
- 79 dB / 140 dB SPL (2 ccm coupler)

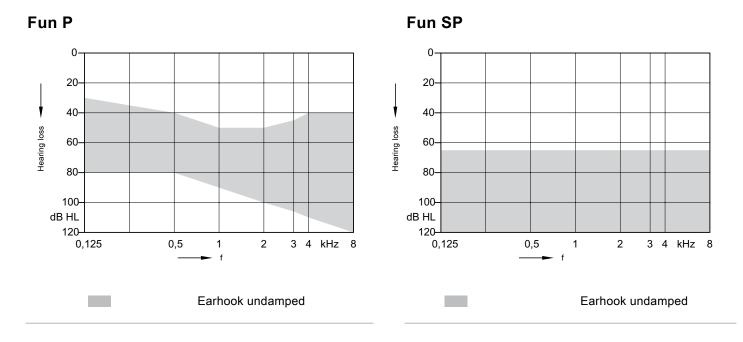
# Fun P | Technical Data

Туре	Earhook undamped	
	2 ccm coupler	Ear simulator
Output sound pressure level at 1.6 kHz		132 dB SPL
	 132 dB SPL	132 dB SPL 137 dB SPL
Peak HFA-OSPL 90	132 db SPL 126 dB SPL	137 dB SFL
Gain	120 UB SPL	_
Full on gain (FOG) at 1.6 kHz		69 dB
Full on gain (Peak)	70 dB	74 dB
HFA-FOG	64 dB	_
Reference test gain	50 dB	58 dB
Frequency, noise and directivity		00 dB
Frequency range	110-6000 Hz	170-6700 Hz
Equivalent input noise	24 dB SPL	24 dB SPL
Total harmonic distortion at 500 / 800 / 1600 Hz	3/2/1%	4 / 4 / 1 %
Tinnitus noiser broadband	_	_
AI-DI		-
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)	~180 h	
Battery life (rechargeable)	-	
IRIL IEC 118-13:2011 (bystander)		
800-960 MHz	<-35 dB SPL	
1400-2000 MHz	<-24 dB SPL	
ANSI C63.19	M3	

# Fun SP | Technical Data

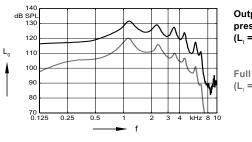
Туре	Earhook undamped	
Output sound pressure level	2 ccm coupler	Ear simulator
at 1.6 kHz		139 dB SPL
Peak	 140 dB SPL	144 dB SPL
HFA-OSPL 90	133 dB SPL	144 0D 3FL
Gain		-
Full on gain (FOG) at 1.6 kHz		76 dB
Full on gain (Peak)	79 dB	83 dB
HFA-FOG	72 dB	
Reference test gain	56 dB	64 dB
Frequency, noise and directivity		0145
Frequency range	100-5200 Hz	100-5700 Hz
Equivalent input noise	24 dB SPL	26 dB SPL
Total harmonic distortion at 500 / 800 / 1600 Hz	3/2/1%	7 / 3 / 2 %
Tinnitus noiser broadband	_	_
AI-DI		-
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	3 V
Battery current drain	2.2 mA	
Battery life (cell zinc air)	~170 h	
Battery life (rechargeable)	-	
IRIL IEC 118-13:2011 (bystander)		
800-960 MHz	<-34 dB SPL	
1400-2000 MHz	<-34 dB SPL	
ANSI C63.19	M	3

# Fitting Range



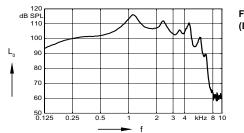
# Fun P (Earhook undamped) | Basic Data

### 2 ccm coupler

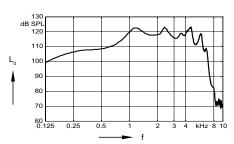


Output sound pressure level (L<sub>1</sub> = 90 dB)

Full on gain (L<sub>i</sub> = 50 dB)







Ear simulator

140 dB SPI 130

 $L_0$ 

120

110

100

90

80

70 0.125

0.25

0.5

Basic acoustic response (L<sub>i</sub> = 60 dB)

Output sound

pressure level

(L<sub>1</sub> = 90 dB)

Full on gain

(L = 50 dB)

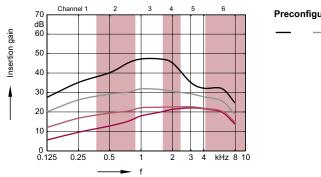
Vľ

3 4 kHz 8 10

2

– f

### Sound profiles and channels

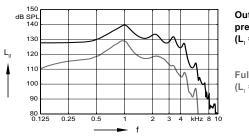


#### Preconfigured sound profiles

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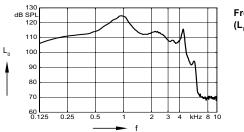
# Fun SP (Earhook undamped) | Basic Data

### 2 ccm coupler

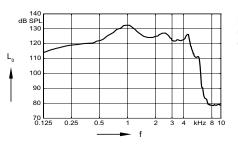


Output sound pressure level (L<sub>i</sub> = 90 dB)

Full on gain (L<sub>i</sub> = 50 dB)



Frequency response (L<sub>1</sub> = 60 dB)



Ear simulator

150 dB SPL 140

 $L_0$ 

130

120

110

100

90

80 0.125

0.25

0.5

Basic acoustic response (L<sub>i</sub> = 60 dB)

Output sound

pressure level

(L<sub>1</sub> = 90 dB)

Full on gain

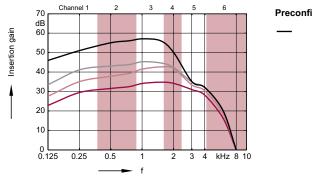
(L = 50 dB)

kHz 8 10

2 3 4

– f

### Sound profiles and channels



Preconfigured sound profiles

Fun P / SP | 6

# Fun P / SP | Features and Accessories

	Fun P / SP
Audiology	
Signal processing (channels) / Gain/MPO (handles)	6 / —
Hearing programs (pre-configured sound profiles)	4
SpeechMaster	
HD Music (presets)	
TwinPhone <sup>1)</sup>	
EchoShield	
Wireless CROS/BICROS <sup>2)</sup>	
Directionality (channels)	
Narrow Directionality <sup>1)</sup>	
Directional microphone	
Spatial SpeechFocus <sup>1)</sup>	
SpeechFocus	
TruEar™	
Frequency compression	
Extended bandwidth	
Feedback cancellation	•
eWindScreen binaural <sup>1)</sup>	
eWindScreen™ (steps)	
Noise Reduction (channels / steps)	
Speech and noise management (steps)	<b>*</b> )
SoundSmoothing™ (steps)	
Directional speech enhancement (steps)	
Adaptive streaming volume <sup>3)</sup>	
SoundBrilliance <sup>™ 3)</sup>	
Sound equalizer (classes)	
Spatial Configurator <sup>1)</sup>	
Span <sup>4)</sup>	
Direction <sup>5)</sup>	
SoundBalance	
Fitting	
Insitugram	_
Learning (classes) / Data logging	/
Acclimatization manager	
Tinnitus	
Tinnitus noiser	
Static therapy signal (handles / presets)	_
Ocean Waves therapy signal (presets)	_

\*) in low frequencies

# Fun P / SP | Features and Accessories

Style Specific FeaturesImpress Protection RatingImpress Protection Rating		Fun P	Fun SP
Telecoil——AutoPhone™——Charging contacts——Battery Size13675Battery Size13675Battery door on/off function●●Nanocoated housing●●e2e wireless™3.0——Audio streaming——User controls coupling via e2e——User controls coupling via e2e——Vireless programming via ConnexxLink™——Push totno——Push button——Push button——Rocker switch——Battery door – child lock——Programming adapter——Programming adapter——Programming adapter——Programming Accessories——CROS Pure——easyTek——Tv Transmitter (req. easyTek)——VoineLink™ (req. easyTek)——Charger——Roster (red, easyTek)——Programiter (req. easyTek)——Programiter (req. easyTek)——Publief (tiling App——Publief (tiling App (req. easyTek)——Publief (tiling App (req. easyTek)——Publief (tiling App (req. easyTek)——Publief (tiling App (red. easyTek)——Publief (tiling App (red. easyTek)—	Style Specific Features		
AutoPhone™——Charging contacts——Battery Size13675Battery door on/off function●●Nanocoated housing●●e2e wireless™ 3.0——Audio streaming——User controls coupling via e2e——Instrument configurations——Flat cover——Yolume wheel——Outrone switch●●Color conversion kit——Battery door - child lock——Programming adapter——Programming adapter——Programming adapter——IniPocket——Contexsion kit——Battery door - child lock——Programming adapter——Programming adapter——IniPocket——CranexxLink——Programming adapter——IniPocket——CranextLink——IniPocket——CranextLink <sup>M</sup> (req. easyTek)——Vitransmitter (req. easyTek)——CranextLink <sup>M</sup> (req. easyTek)——ContextLink <sup>M</sup> (req. ea	Ingress Protection Rating	_	_
Charging contacts — —   Battery Size 13 675   Battery door on/off function ● ●   Nanocoated housing ● ●   e2e wireless™ 3.0 — —   Audio streaming — —   User controls coupling via e2e — —   Wireless programming via ConnexcLink™ — —   Instrument configurations — —   Flat cover — —   Volume wheel — —   Push button — —   Color conversion kit — —   Battery door - child lock — —   Programming Accessories — —   ConnexxLink — —   Programming adapter — —   Programming adapter — —   Programming adapter — —   Programming adapter — —   Sextreless Prue — —   easyPocket™ — —   Transmitter (req. easyTek) — —   Transmitter (req. easyTek) — —   App — —	Telecoil		
Battery Size13675Battery door on/off function••Nanoccated housing••e2e wireless™3.0Audio streamingUser controls coupling via e2eInstrument configurationsFlat coverYolume wheelPush buttonRocker switch••Battery door - direct audio inputBattery door - direct audio inputBattery door - direct audio inputProgramming AccessoriesConnext.linkProgramming adapterAccessoriesminiPocketeasyTeckTransmitter (req. easyTek)VioneLink™ (req. easyTek)AcpStaffer App (req. easyTek)AppStaffer App (req. easyTek)AppStaffer App (req. easyTek)Battery door chiking AppStaffer App (req. easyTek)Staffer App (req. easyTek)	AutoPhone™		
Battery door on/off function   ●     Nanoccated housing   ●     e2e wireless™ 3.0   –     Audio streaming   –     User controls coupling via e2e   –     Wireless programming via ConnexxLink™   –     Instrument configurations   –     Flat cover   –     Volume wheel   –     Push button   –     Rocker switch   ●     Color conversion kit   –     Battery door - driect audio input   –     Battery door - driect audio input   –     Programming adapter   –     Programming adapter   –     Programing adapter   –     Programing adapter   –     eCROS Pure   –     eCharger   –     easyTek   –     Transmitter (req. easyTek)   –     Transmitter (req. easyTek)   –     App   –     Mobile Fitting App   –     easyTek App (req. easyTek)   –	Charging contacts		
Nanocoated housing     ●     ●       e2e wireless™3.0         Audio streaming         User controls coupling via e2e         Wireless programming via ConnexxLink™         Instrument configurations         Flat cover         Volume wheel         Push button         Rocker switch     ●     ●        Color conversion kit          Battery door - direct audio input          Battery door - child lock          Programming Accessories          IniiPocket          CROS Pure          eAccessories          IniiPocket          CROS Pure          easyTek	Battery Size	13	675
e2e wireless™3.0——Audio streaming——User controls coupling via e2e——Wireless programming via ConnexxLink™——Instrument configurations——Flat cover——Volume wheel——Push button——Rocker switch●●Color conversion kit——Battery door - direct audio input——Battery door - child lock——Programming Accessories——ConnexxLink——Programming dapter——Programming dapter——eCharger——easyPocket™——easyFek——Transmitter (req. easyTek)——Mobile Fitting App——Mobile Fitting App (req. easyTek)——Automic Mark App (req. easyTek)——	Battery door on/off function	•	•
Audio streaming     —     —       User controls coupling via e2e     —     —     —       Wireless programming via ConnexxLink™     —     —     —       Instrument configurations     —     —     —       Flat cover     —     —     —       Volume wheel     —     —     —       Push button     —     —     —       Rocker switch     ●     ●     ●       Color conversion kit     —     —     —       Battery door - driect audio input     —     —     —       Battery door - child lock     —     —     —       Programming Accessories     —     —     —       Programming adapter     —     —     —       Accessories     —     —     —       miniPocket     —     —     —       CROS Pure     —     —     —       easyTek     —     —     —       Transmitter (req. easyTek)     —     —     —       VioicLink™ (r	Nanocoated housing	•	•
User controls coupling via 62e     —     —       Wireless programming via ConnexxLink™     —     —       Instrument configurations     —     —       Flat cover     —     —       Yolume wheel     —     —       Push button     —     —       Rocker switch     ●     ●       Color conversion kit     —     —       Battery door – direct audio input     —     —       Battery door – child lock     —     —       Programming Accessories     —     —       ConnexxLink     —     —     —       Programming adapter     —     —     —       Accessories     —     —     —       miniPocket     —     —     —       CROS Pure     —     —     —       easyPocket™     —     —     —       easyPocket™     —     —     —       Viransmitter (req. easyTek)     —     —     —       VisiteLink™ (req. easyTek)     —     —     — <td>e2e wireless™3.0</td> <td></td> <td></td>	e2e wireless™3.0		
Wireless programming via ConnexxLink™   —   —     Instrument configurations   —   —     Flat cover   —   —     Volume wheel   —   —     Push button   —   —     Rocker switch   ●   ●     Color conversion kit   —   —     Battery door - direct audio input   —   —     Battery door - child lock   —   —     Programming Accessories   —   —     ConnexxLink   —   —     Programming adapter   —   —     Accessories   —   —     miniPocket   —   —     CROS Pure   —   —     eCharger   —   —     easyPocket <sup>™</sup> —   —     ransmitter (req. easyTek)   —   —     Transmitter (req. easyTek)   —   —     VoiceLink <sup>™</sup> (req. easyTek)   —   —     MobileFitting App   —   —     easyTek App (req. easyTek)   —   —	Audio streaming		
Instrument configurationsFlat cover——Volume wheel——Push button——Rocker switch●●Color conversion kit——Battery door – direct audio input——Battery door – child lock——Programming Accessories——ConnexxLink——Programming adapter——Accessories——miniPocket——CROS Pure——easyPocket™——easyPocket™——Y Transmitter (req. easyTek)——VoiceLink™ (req. easyTek)——MobileFitting App——easyTek App (req. easyTek)——MobileFitting App——easyTek App (req. easyTek)——	User controls coupling via e2e		
Flat cover	Wireless programming via ConnexxLink™		
Volume wheel         Push button         Rocker switch     ●     ●       Color conversion kit         Battery door - direct audio input         Battery door - child lock         Programming Accessories         ConnexxLink         Programming adapter         Accessories         miniPocket         CROS Pure         echarger         easyPocket™         rty Transmitter (req. easyTek)         VoiceLink™ (req. easyTek)         App         MobileFitting App         easyTek App (req. easyTek)	Instrument configurations		
Push button——Rocker switch●●Color conversion kit——Battery door – direct audio input——Battery door – child lock——Programming Accessories——ConnexxLink——Programming adapter——Accessories——miniPocket——CROS Pure——eCharger——easyPocket™——ransmitter (req. easyTek)——Y Transmitter (req. easyTek)——VoiceLink™ (req. easyTek)——App——MobileFitting App——easyTek App (req. easyTek)——MobileFitting App (req. easyTek)—————App——MobileFitting App (req. easyTek)—————App (req. easyTek)——	Flat cover		—
Rocker switch●●Color conversion kitBattery door - direct audio inputBattery door - child lockProgramming AccessoriesConnexxLinkProgramming adapterAccessoriesminiPocketCROS PureeChargereasyPocket™easyTekTv Transmitter (req. easyTek)VoiceLink™ (req. easyTek)AppMobileFitting AppeasyTek App (req. easyTek)ApyMobileFitting App (req. easyTek)App (req. easyTek)App (req. easyTek) <td< td=""><td>Volume wheel</td><td></td><td></td></td<>	Volume wheel		
Color conversion kit	Push button		
Battery door - direct audio input——Battery door - child lock——Programming Accessories——ConnexxLink——Programming adapter——Accessories——miniPocket——CROS Pure——eCharger——easyPocket™——easyTek——Tv Transmitter (req. easyTek)——Tv Transmitter (req. easyTek)——App——MobileFitting App——easyTek App (req. easyTek)——MobileFitting App (req. easyTek)——————————————App (req. easyTek)———	Rocker switch	•	•
Battery door - child lock——Programming Accessories—ConnexxLink——Programming adapter——Accessories—miniPocket——CROS Pure——eCharger——easyPocket™——easyPocket™——Tv Transmitter (req. easyTek)——Transmitter (req. easyTek)——App——MobileFitting App——easyTek App (req. easyTek)—————App——MobileFitting App——easyTek App (req. easyTek)—————App——MobileFitting App——easyTek App (req. easyTek)—————MobileFitting App (req. easyTek)————————	Color conversion kit		
Programming AccessoriesConnexxLink——Programming adapter——Programming adapter——Accessories——miniPocket——CROS Pure——eCharger——easyPocket™——easyPocket™——ft v Transmitter (req. easyTek)——Tv Transmitter (req. easyTek)——VoiceLink™ (req. easyTek)——App——MobileFitting App——easyTek App (req. easyTek)——————————————App——App (req. easyTek)—————App (req. easyTek)—————	Battery door – direct audio input		—
ConnexxLink	Battery door – child lock	_	_
Programming adapter——Accessories—miniPocket——CROS Pure——eCharger——eSyPocket™——easyPocket™——easyTek——TV Transmitter (req. easyTek)——Transmitter (req. easyTek)——VoiceLink™ (req. easyTek)——MobileFitting App——easyTek App (req. easyTek)——	Programming Accessories		
AccessoriesminiPocket—CROS Pure—eCharger—eCharger—easyPocket™—easyTek—TV Transmitter (req. easyTek)—Transmitter (req. easyTek)—VoiceLink™ (req. easyTek)—MobileFitting App—easyTek App (req. easyTek)—— <t< td=""><td>ConnexxLink</td><td>—</td><td>—</td></t<>	ConnexxLink	—	—
miniPocket——CROS Pure——eCharger——easyPocket™——easyTek——TV Transmitter (req. easyTek)——Transmitter (req. easyTek)——VoiceLink™ (req. easyTek)——AppMobileFitting App—easyTek App (req. easyTek)—————MobileFitting App————————	Programming adapter		_
CROS Pure——eCharger——easyPocket™——easyTek——TV Transmitter (req. easyTek)——Transmitter (req. easyTek)——VoiceLink™ (req. easyTek)——App——MobileFitting App——easyTek App (req. easyTek)—————MobileFitting App————————	Accessories		
eCharger——easyPocket™——easyTek——easyTek——TV Transmitter (req. easyTek)——Transmitter (req. easyTek)——VoiceLink™ (req. easyTek)——App——MobileFitting App——easyTek App (req. easyTek)———————————————————————	miniPocket	_	_
easyPocket™——easyTek——TV Transmitter (req. easyTek)——Transmitter (req. easyTek)——VoiceLink™ (req. easyTek)——App	CROS Pure —		
easyPocket™——easyTek——TV Transmitter (req. easyTek)——Transmitter (req. easyTek)——VoiceLink™ (req. easyTek)——App	eCharger		
TV Transmitter (req. easyTek)——Transmitter (req. easyTek)——VoiceLink™ (req. easyTek)——App——MobileFitting App——easyTek App (req. easyTek)——			
Transmitter (req. easyTek)——VoiceLink™ (req. easyTek)——App—MobileFitting App——easyTek App (req. easyTek)——	easyTek		
Transmitter (req. easyTek)——VoiceLink™ (req. easyTek)——App—MobileFitting App——easyTek App (req. easyTek)——			
VoiceLink™ (req. easyTek)——App——MobileFitting App——easyTek App (req. easyTek)——			_
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MobileFitting App——easyTek App (req. easyTek)——	Арр		
easyTek App (req. easyTek) — — —			_
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• available • highest feature performance O optional — not available

<sup>1)</sup> req. bilateral fitting and e2e<sup>™</sup> 3.0

<sup>2)</sup> req. CROS Pure accessory

<sup>3)</sup> streaming only, req. easyTek<sup>™</sup>

<sup>4)</sup> req. easyTek & easyTek App, touchControl App or rocker switch

<sup>5)</sup> 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

#### Sound Profile System

The Sound Profile System is a new and innovative way of adjusting hearing instruments for the client's individual hearing loss whilst providing optimal speech comfort. All Sound Profiles are engineered and fine-tuned for optimal speech understanding, sound quality and feedback stability.

The Sound Profile System is based on the analysis of 18,000 hearing losses. Depending on the performance level of the product, it will offer 3, 4 or 6 preconfigured Sound Profiles for each hearing instrument model. Each preconfigured Sound Profile covers a range of typical hearing losses and differs in gain, compression and MPO settings.

Studies have shown that for hearing instruments in this segment, the Sound Profile System was preferred over conventional fittings.

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

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Order No. 03026-99T5-7600 © 06.2019, Signia GmbH All rights reserved



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.



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.