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

Type	Earhook undamped	

	2 ccm coupler	Ear simulator
Output sound pressure level		
at 1.6 kHz	–	132 dB SPL
Peak	132 dB SPL	137 dB SPL
HFA-OSPL 90	126 dB SPL	–
Gain		
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		
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

Type	Earhook undamped	

	2 ccm coupler	Ear simulator
Output sound pressure level		
at 1.6 kHz	–	139 dB SPL
Peak	140 dB SPL	144 dB SPL
HFA-OSPL 90	133 dB SPL	–
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		
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 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	M3	

Fitting Range

Fun P
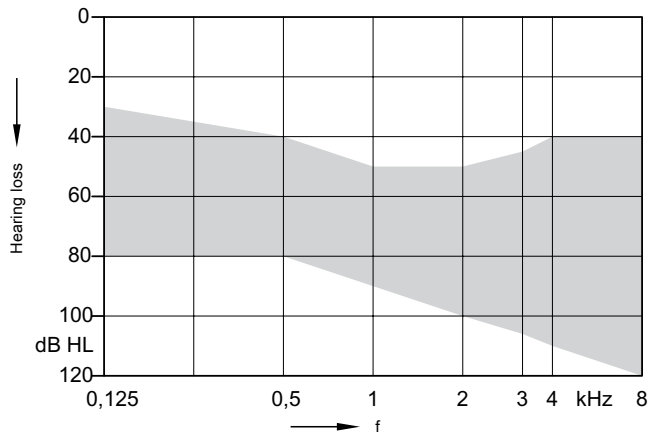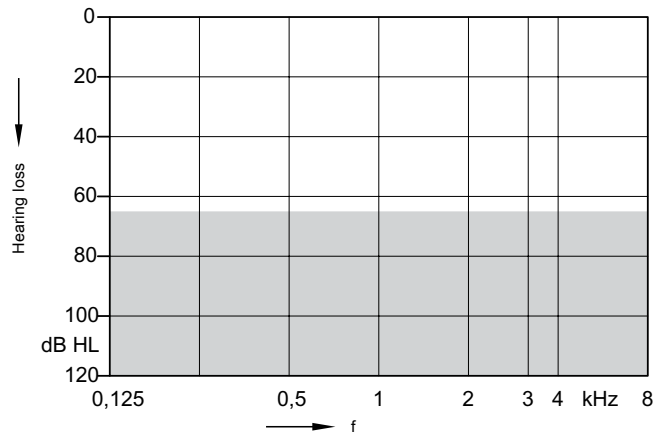
Hearing loss / dB HL

| 0 | 20 | 40 | 60 | 80 | 100 | 120 |

f: 0,125 — 0,5 — 1 — 2 — 3 — 4 — kHz — 8

Earhook undamped

Fun SP

Hearing loss / dB HL

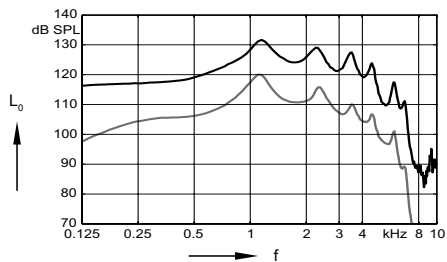| 0 | 20 | 40 | 60 | 80 | 100 | 120 |

f: 0,125 — 0,5 — 1 — 2 — 3 — 4 — kHz — 8

Earhook undamped

Fun P (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
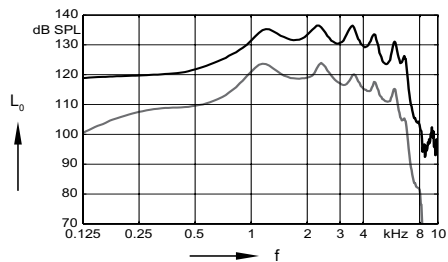
Output sound pressure level (L$_i$ = 90 dB)
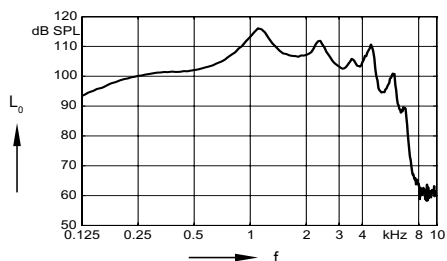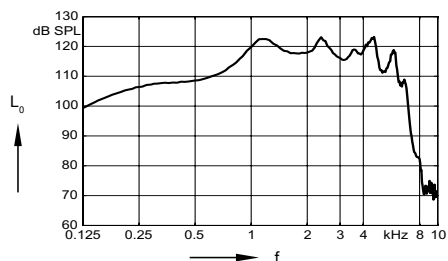
Full on gain (L$_i$ = 50 dB)

Basic acoustic response (L$_i$ = 60 dB)
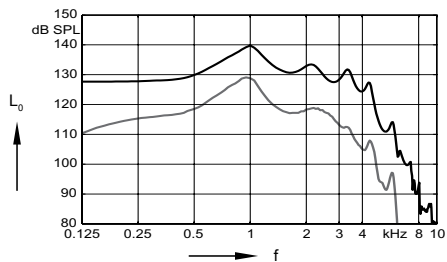
Sound profiles and channels
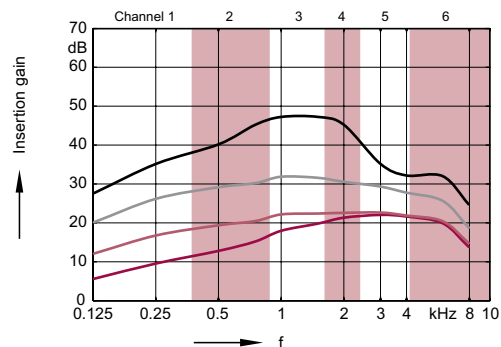
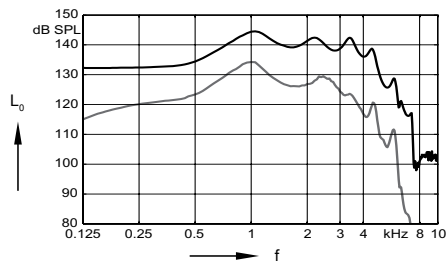**Preconfigured sound profiles**

Fun SP (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)
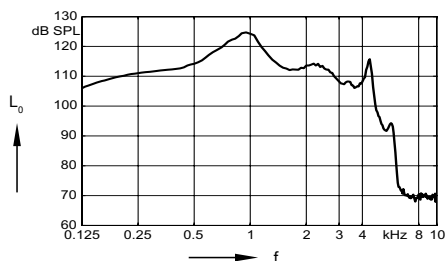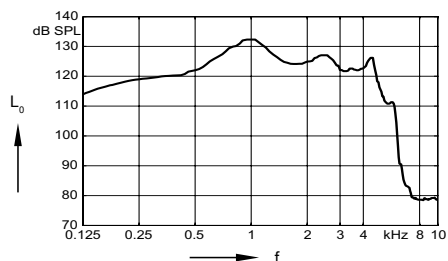
Basic acoustic response (L$_i$ = 60 dB)

Sound profiles and channels
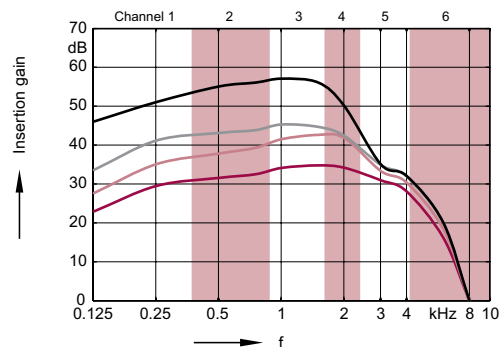
Preconfigured sound profiles

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[1]	—
EchoShield	—
Wireless CROS/BICROS[2]	—
Directionality (channels)	—
Narrow Directionality[1]	—
Directional microphone	—
Spatial SpeechFocus[1]	—
SpeechFocus	—
TruEar™	—
Frequency compression	—
Extended bandwidth	—
Feedback cancellation	●
eWindScreen binaural[1]	—
eWindScreen™ (steps)	—
Noise Reduction (channels / steps)	—
Speech and noise management (steps)	● *)
SoundSmoothing™ (steps)	—
Directional speech enhancement (steps)	—
Adaptive streaming volume[3]	—
SoundBrilliance™ [3]	—
Sound equalizer (classes)	—
Spatial Configurator[1]	—
Span[4]	—
Direction[5]	—
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

	Fun P	Fun SP
Style Specific Features		
Ingress Protection Rating	—	—
Telecoil	—	—
AutoPhone™	—	—
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 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™	—	—
easyTek	—	—
TV Transmitter (req. easyTek)	—	—
Transmitter (req. easyTek)	—	—
VoiceLink™ (req. easyTek)	—	—
App		
MobileFitting 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

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.

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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.