

Sun 12 G4

RECEIVER-IN-CANAL HEARING SYSTEM (RIC) WITH BATTERY SIZE 13



PRODUCT FEATURES

Receiver-in-Canal hearing system (RIC) with external receiver
For open and closed fitting

BASIC FEATURES

Dual Energy Technology: optionally usable with rechargeable battery or battery
Battery compartment as on/off switch
Rocker switch, can be programmed as a program button, on/off switch, volume control, tone control, Tinnitus noiser level up/down
Level-dependent signal tones/melodies (activate/deactivate) for low battery voltage, program change, volume control, on/off function
Telephone coil
Personal-Color-Concept
Audiomatic power-on delay (P) (activate/deactivate)
IP67-certified

OPTIONS



Charger Smart Power
Audiostreamer Smart Connect
Remote Control Smart Remote
Remote Control Smart Key
Smart Connect App, with AudioDirSelect
Smart Remote App, with AudioDir Select
External receiver S with FOG = 45 dB¹⁾
External receiver M with FOG = 60 dB¹⁾
External receiver P with FOG = 70 dB¹⁾²⁾
Customized CLIC MOULD 2.0 (Open or Power)
Click Domes (Open, Semi-open, Closed or Double)
Click Sleeves (Open or Closed)
AutoPhone set

PROGRAMMING ADAPTER

Adapter 13 Art.-No. 108 24 470

HOUSING COLORS

Beige Dark gray Granite
Tobacco Silver Bronze
Gray Pearly-white

TECHNICAL FEATURES

32 signal processing channels / 16 frequency channels
16 AGC channels / 16 MPO channels
6 hearing programs
➤ MusicSelect
➤ ZearPhone
Data Logging
Wireless
➤ AudioLink
➤ Binaural synchronization
➤ Wireless audio streaming optional
➤ CROS/BiCROS

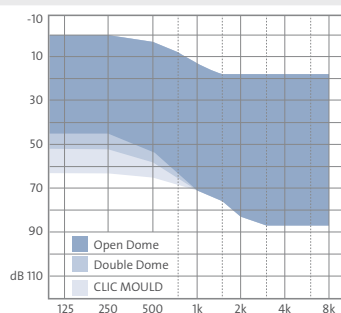
SIGNAL PROCESSING

Anti-Feedback system
Noise Manager
➤ Adaptive noise reduction
➤ Wiener filter
➤ Adaptive wind noise reduction
➤ Impulse suppressor
➤ Auto-situation adaption
➤ Selectronic
AudioTronic multi-microphone system
➤ Panorama
➤ Directional static
➤ Automatic
➤ Adaptive
➤ Language 360
➤ AudioSpot
Frequency and dynamics concept
➤ TRC S
➤ Selective frequency compression
➤ Sound Upgrade (in wireless audio streaming mode)
Programmable Tinnitus function

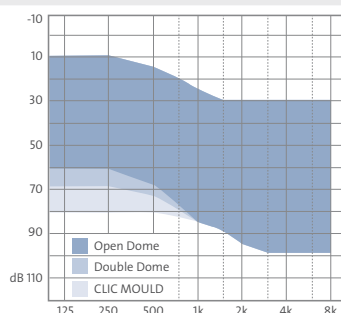
AUTOMATIC FUNCTIONS

Comfort365
Intelligent Acclimatic
Comformatic

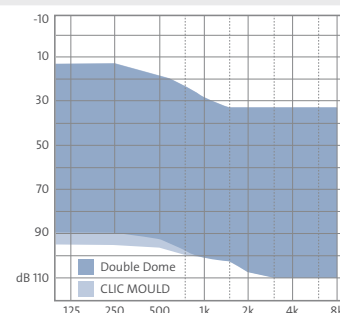
FITTING RANGES



Fitting range external receiver 45 dB



Fitting range external receiver 60 dB



Fitting range external receiver 70 dB²⁾

¹⁾ measured in accordance with IEC 60118-7:2005 and ANSI S3.22-2009

²⁾ 70 dB measured with CLIC MOULD 2.0, values vary if domes are used for fitting
P = Patent

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Gain 45 dB



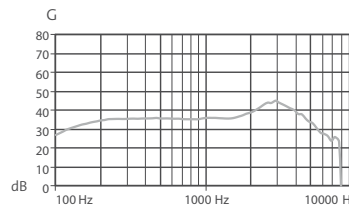
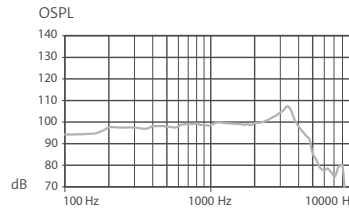
MAXIMUM OUTPUT

Input: 90 dB

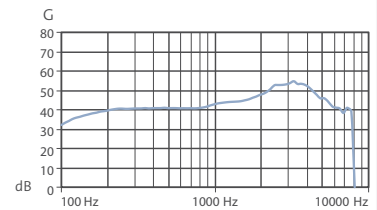
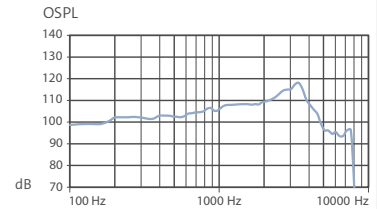
MAXIMUM GAIN

Input: 50 dB

IEC 60118-7:2005³⁾
ANSI S3.22-2009³⁾



IEC 60118-0⁴⁾



TECHNICAL INFORMATION

SATURATION OSPL 90

Peak value at 90 dB	108 dB	119 dB
1,600 Hz (RTF)	99 dB	108 dB
HFA (High Frequency Average)	100 dB	106 dB

FULL ON GAIN

Peak value at 50 dB	45 dB	56 dB
1,600 Hz (RTF)	36 dB	45 dB
HFA (High Frequency Average)	38 dB	44 dB
Reference test gain	23 dB	28 dB

TECHNICAL FEATURES

Battery type	13	13
Battery life in hours	226	226
Frequency range	100 – 8,500 Hz	100 – 8,300 Hz
Battery current consumption	0.90 mA	0.90 mA
Equivalent noise level	18 dB	19 dB
Tinnitus noiser broadband	65 dB	
Telecoil sensitivity (1 mA/m)	66 dB	73 dB
Distortion		
500 Hz	1%	1%
800 Hz	1%	1%
1,600 Hz	1%	2%

³⁾ Technical data measured in accordance with IEC 60118-7:2005 and ANSI S3.22-2009 at 2 ccm coupler

⁴⁾ Technical data measured in accordance with IEC 60118-0 at ear simulator



WARNING

Small parts present a choking hazard.

This device is not suitable for fitting to babies, small children or mentally disabled persons.

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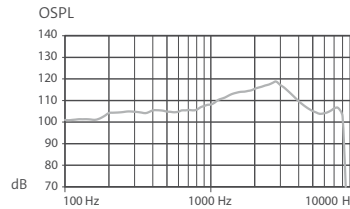
Gain 60 dB



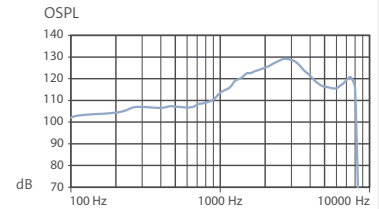
MAXIMUM OUTPUT

Input: 90 dB

IEC 60118-7:2005³⁾
ANSI S3.22-2009³⁾

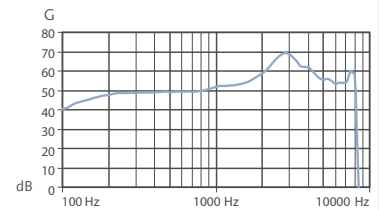
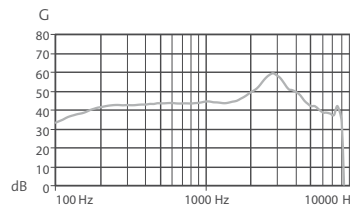


IEC 60118-0⁴⁾



MAXIMUM GAIN

Input: 50 dB



TECHNICAL INFORMATION

SATURATION OSPL 90

Peak value at 90 dB	119 dB	129 dB
1,600 Hz (RTF)	114 dB	122 dB
HFA (High Frequency Average)	113 dB	116 dB

FULL ON GAIN

Peak value at 50 dB	60 dB	70 dB
1,600 Hz (RTF)	45 dB	54 dB
HFA (High Frequency Average)	49 dB	53 dB
Reference test gain	37 dB	47 dB

TECHNICAL FEATURES

Battery type	13	13
Battery life in hours	185	185
Frequency range	100 – 8,200 Hz	100 – 8,300 Hz
Battery current consumption	1.1 mA	1.1 mA
Equivalent noise level	19 dB	23 dB
Tinnitus noiser broadband	70 dB	
Telecoil sensitivity (1 mA/m)	78 dB	84 dB
Distortion		
500 Hz	1%	1%
800 Hz	1%	2%
1,600 Hz	2%	1%

³⁾ Technical data measured in accordance with IEC 60118-7:2005 and ANSI S3.22-2009 at 2 ccm coupler

⁴⁾ Technical data measured in accordance with IEC 60118-0 at ear simulator



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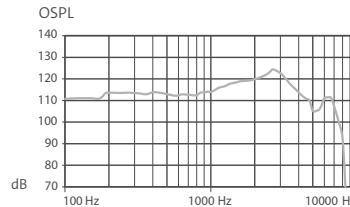
Gain 70 dB²⁾



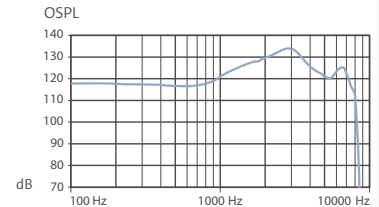
MAXIMUM OUTPUT

Input: 90 dB

IEC 60118-7:2005³⁾
ANSI S3.22-2009³⁾

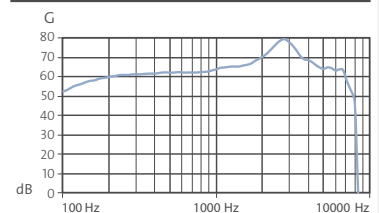
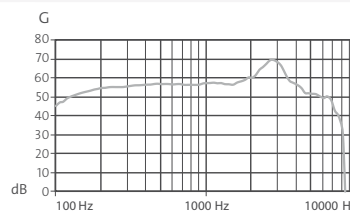


IEC 60118-0⁴⁾



MAXIMUM GAIN

Input: 50 dB



TECHNICAL INFORMATION

SATURATION OSPL 90

Peak value at 90 dB	124 dB	134 dB
1,600 Hz (RTF)	118 dB	127 dB
HFA (High Frequency Average)	118 dB	122 dB

FULL ON GAIN

Peak value at 50 dB	70 dB	80 dB
1,600 Hz (RTF)	59 dB	67 dB
HFA (High Frequency Average)	62 dB	66 dB
Reference test gain	41 dB	52 dB

TECHNICAL FEATURES

Battery type	13	13
Battery life in hours	203	203
Frequency range	100 – 7,500 Hz	100 – 8,100 Hz
Battery current consumption	1.00 mA	1.00 mA
Equivalent noise level	18 dB	20 dB
Tinnitus noiser broadband	75 dB	
Telecoil sensitivity (1 mA/m)	83 dB	89 dB
Distortion		
500 Hz	1%	3%
800 Hz	2%	3%
1,600 Hz	1%	2%

²⁾ 70 dB measured with CLIC MOULD 2.0, values vary if domes are used for fitting

³⁾ Technical data measured in accordance with IEC 60118-7:2005 and ANSI S3.22-2009 at 2 ccm coupler

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WARNING The maximum output levels of the hearing systems can reach or exceed 132 dB SPL.
Risk of injury to the hearing of the wearer. Ensure that the hearing systems are fitted with care.

For control ranges and more programming features see Hearing Instrument Simulation of Connex 8.3 and AudioFit 8.3 or higher.

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