

# Sina HYPE 16 G4

WITH BATTERY SIZE 10



 **Audio Service**

## PRODUCT FEATURES

Semi-modular CIC

## BASIC FEATURES

Battery compartment as on/off switch

Push button (integrated in battery compartment lid), can be programmed as a program button, program button with on/off function, volume control, Tinnitus noiser level up/down (only with option Wireless)

Level-dependent signal tones/melodies (activate/deactivate) for low battery voltage, program change, on/off function

Audiomatic power-on delay (P) (activate/deactivate)

Wax guard HF 3 Black or HF 4 Black

Microphone filter Microsafe

Removal line

## OPTIONS



Audiostreamer Smart Connect

Remote control Smart Remote

Remote control Smart Key

Smart Connect App

Smart Remote App

## PROGRAMMING CABLES

Programming cable, right

Art.-No. 105 40 984

Programming cable, left

Art.-No. 105 40 985

## TECHNICAL FEATURES

40 signal processing channels / 20 frequency channels

20 AGC channels / 20 MPO channels

6 hearing programs

➤ MusicSelect (Live music, musicians, sound carriers)

➤ EchoClear / Dereverberation

Data Logging

Wireless optional

➤ AudioLink

➤ Binaural synchronization

➤ Wireless audio streaming

## SIGNAL PROCESSING

Anti-Feedback system

Noise Manager

➤ Adaptive noise reduction

➤ Wiener filter

➤ Impulse suppressor

➤ Auto-situation adaption

AudioTronic 1 Mic (Prerequisite AudioLink)

➤ Automatic

➤ Adaptive

Frequency and dynamics concept

➤ TRC S

➤ Selective frequency compression

➤ HiFi functionality

➤ Sound Upgrade (in wireless audio streaming mode)

➤ Volume setting dependent on environment (only in wireless audio streaming mode)

Programmable Tinnitus function

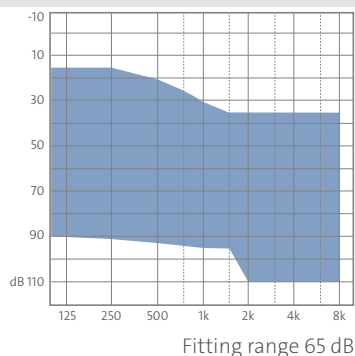
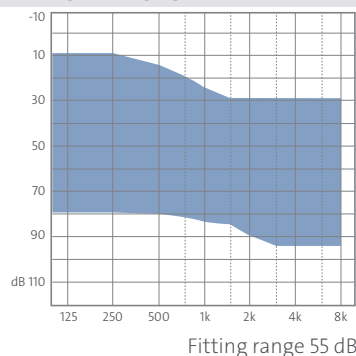
## AUTOMATIC FUNCTIONS

Comfort365

Intelligent Acclimatic

Comformatic

## FITTING RANGES



P = Patent

For more information about features please check out our website [www.audioservice.com](http://www.audioservice.com)

# Sina HYPE 16 G4

Gain 55 dB



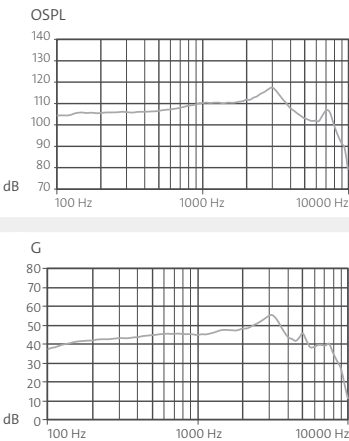
## MAXIMUM OUTPUT

Input: 90 dB

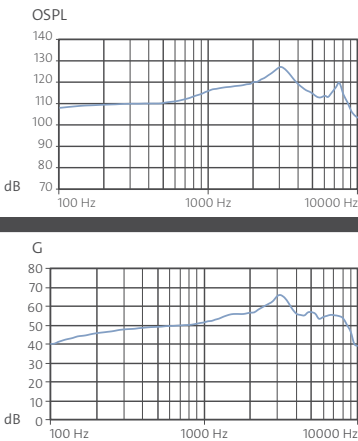
## MAXIMUM GAIN

Input: 50 dB

IEC 60118-7:2005<sup>1)</sup>  
ANSI S3.22-2009<sup>1)</sup>



IEC 60118-0<sup>2)</sup>



## TECHNICAL INFORMATION

### MAXIMUM OUTPUT

Peak value at 90 dB	118 dB	128 dB
1,600 Hz (RTF)	110 dB	118 dB
HFA (High Frequency Average)	112 dB	115 dB

### FULL ON GAIN

Peak value at 50 dB	55 dB	66 dB
1,600 Hz (RTF)	47 dB	56 dB
HFA (High Frequency Average)	48 dB	53 dB
Reference test gain	35 dB	49 dB

### TECHNICAL FEATURES

Battery type	10	10
Battery life in hours	79	79
Frequency range	100 – 9,000 Hz	130 – 10,000 Hz
Battery current consumption	0.80 mA	0.80 mA
Equivalent noise level	19 dB	22 dB
Tinnitus noiser broadband	75 dB	
Distortion		
500 Hz	1%	2%
800 Hz	1%	2%
1,600 Hz	1%	1%

<sup>1)</sup> Technical data measured in accordance with IEC 60118-7:2005 and ANSI S3.22-2009 at 2 ccm coupler

<sup>2)</sup> 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.

# Sina HYPE 16 G4

Gain 65 dB



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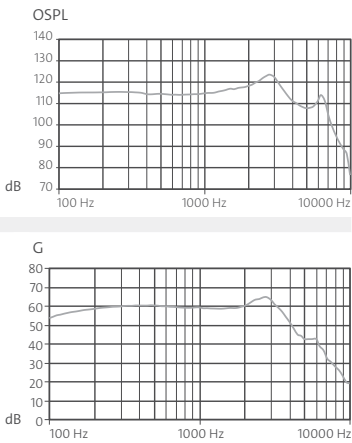
## MAXIMUM OUTPUT

Input: 90 dB

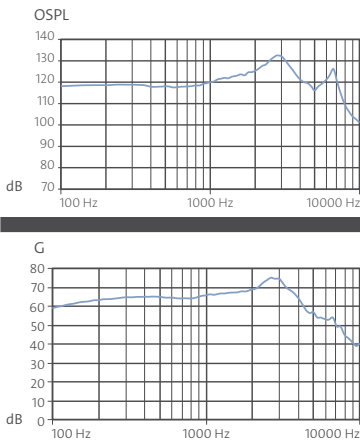
## MAXIMUM GAIN

Input: 50 dB

IEC 60118-7:2005<sup>1)</sup>  
ANSI S3.22-2009<sup>1)</sup>



IEC 60118-0<sup>2)</sup>



## TECHNICAL INFORMATION

### MAXIMUM OUTPUT

Peak value at 90 dB	124 dB	134 dB
1,600 Hz (RTF)	117 dB	124 dB
HFA (High Frequency Average)	118 dB	122 dB

### FULL ON GAIN

Peak value at 50 dB	65 dB	75 dB
1,600 Hz (RTF)	60 dB	67 dB
HFA (High Frequency Average)	61 dB	67 dB
Reference test gain	41 dB	60 dB

### TECHNICAL FEATURES

Battery type	10	10
Battery life in hours	63	63
Frequency range	100 – 6,300 Hz	100 – 7,900 Hz
Battery current consumption	1.00 mA	1.00 mA
Equivalent noise level	17 dB	15 dB
Tinnitus noiser broadband	80 dB	
Distortion		
500 Hz	2%	3%
800 Hz	2%	3%
1,600 Hz	1%	2%

<sup>1)</sup> Technical data measured in accordance with IEC 60118-7:2005 and ANSI S3.22-2009 at 2 ccm coupler

<sup>2)</sup> 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.



#### 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 Connexx 8.2 and AudioFit 8.2 or higher.

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## PRODUCT FEATURES

Semi-modular CIC

## BASIC FEATURES

Battery compartment as on/off switch

Push button (integrated in battery compartment lid), can be programmed as a program button, program button with on/off function

Level-dependent signal tones/melodies (activate/deactivate) for low battery voltage, program change, on/off switch function

Audiomatic power-on delay (P) (activate/deactivate)

Wax guard HF 3 Black or HF 4 Black

Removal line

Microphone filter Microsafe

## OPTIONS

Remote control Smart Key

Smart Remote App

## PROGRAMMING CABLES

Programming cable, right

Art.-No. 105 40 984

Programming cable, left

Art.-No. 105 40 985

## TECHNICAL FEATURES

40 signal processing channels / 20 frequency channels

20 AGC channels / 20 MPO channels

6 hearing programs

➤ MusicSelect (Live music, musicians, sound carriers)

➤ EchoClear / Dereverberation

Data Logging

## SIGNAL PROCESSING

Anti-Feedback system

Noise Manager

➤ Adaptive noise reduction

➤ Wiener filter

➤ Impulse suppressor

➤ Auto-situation adaption

Frequency and dynamics concept

➤ TRC S

➤ Selective frequency compression

➤ HiFi functionality

Programmable Tinnitus function

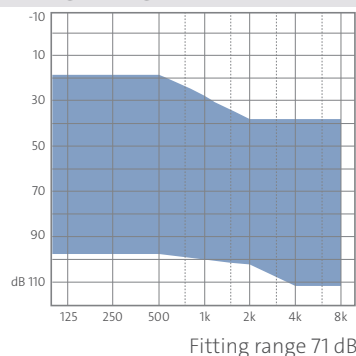
## AUTOMATIC FUNCTIONS

Comfort365

Intelligent Acclimatic

Comformatic

## FITTING RANGE



P = Patent

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# Sina HYPE 16 G4

Gain 71 dB



 **Audio Service**

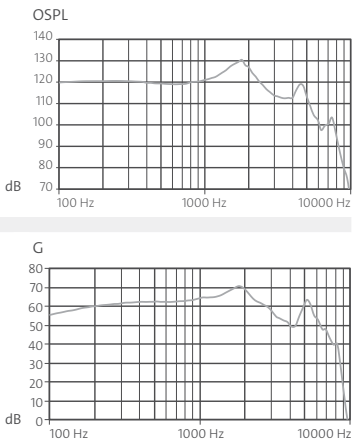
## MAXIMUM OUTPUT

Input: 90 dB

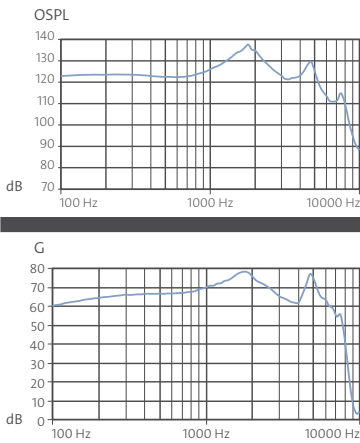
## MAXIMUM GAIN

Input: 50 dB

IEC 60118-7:2005<sup>1)</sup>  
ANSI S3.22-2009<sup>1)</sup>



IEC 60118-0<sup>2)</sup>



## TECHNICAL INFORMATION

### MAXIMUM OUTPUT

Peak value at 90 dB	131 dB	138 dB
1,600 Hz (RTF)	129 dB	135 dB
HFA (High Frequency Average)	123 dB	128 dB

### FULL ON GAIN

Peak value at 50 dB	71 dB	79 dB
1,600 Hz (RTF)	70 dB	77 dB
HFA (High Frequency Average)	66 dB	71 dB
Reference test gain	46 dB	70 dB

### TECHNICAL FEATURES

Battery type	10	10
Battery life in hours	63	63
Frequency range	100 – 6,000 Hz	100 – 5,500 Hz
Battery current consumption	1.00 mA	1.00 mA
Equivalent noise level	17 dB	20 dB
Tinnitus noiser broadband	88 dB	
Distortion		
500 Hz	1%	2%
800 Hz	1%	1%
1,600 Hz	1%	1%

<sup>1)</sup> Technical data measured in accordance with IEC 60118-7:2005 and ANSI S3.22-2009 at 2 ccm coupler

<sup>2)</sup> Technical data measured in accordance with IEC 60118-0 at ear simulator



#### WARNING

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