2C

TwinCore
Technology

HD Speech Enabled

Esssential Facts
- 32 Processing Channels
- 16 Gain Handles
- 675 battery
- T-Coil
- AutoPhone
- Programmable push button and rocker switch
- For severe to profound hearing loss

HD Speech
- HD Directionality
- HD Mic
- Automatic Focus 360°

Speech
- 2C Bandwidth Compression
- 2C Compression
- Multi-Channel MPO
- Soft Level Focus

Smart Set & Go
- Smart Automatic Equalizer
- Smart Automatic Acclimatization
- Smart Automatic Environment Manager
- Data Logging
- 6 programs

Comfort
- 2C Feedback Preventer
- 2C Automatic Noise Reduction
- 2C Wind Noise Manager
- Sound Locator
- Sound Radiance
- SoundSmoothing™

Other features
- Wireless technology
  - Signal processing coupling
  - Volume coupling
  - Program coupling
  - Bluetooth connection with mobile phone
  - Bluetooth stereo audio streaming (via Mini Blu™ RCU / Blu RCU)
- Input-level adaptive beeps
- Battery door On / Off

Options & Accessories
- Mini Blu RCU / Blu RCU
- Remote Control
- Remote mic (via Mini Blu RCU)
- Wireless programming via ConnexxLink™
- Wired programming via CS44
- Standard earhook
- Small earhook
- Audio shoe
- Child-lock battery door

[Finesse 18 2C HP]

Data Sheet

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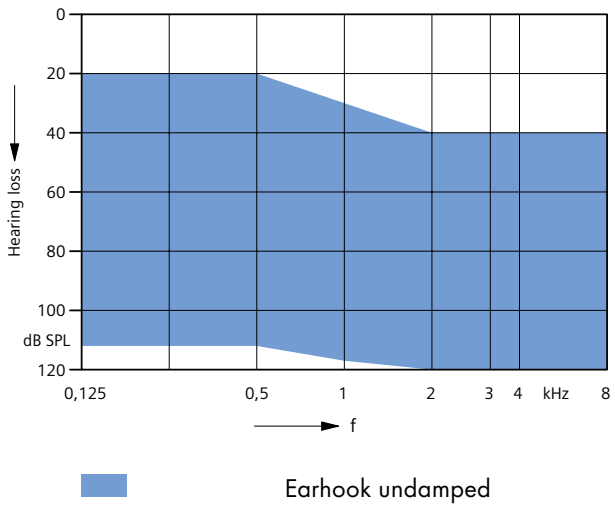
Fitting Range

Finesse 2^{C} HP



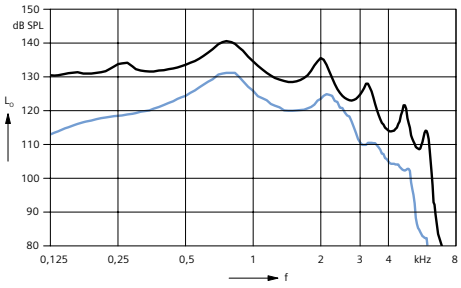
Earhook undamped

Finesse 2^{C} HP · Technical Data

Type	Earhook undamped	
		
	2 ccm coupler	Ear simulator
Output sound pressure level		
at 1.6 kHz	-	136 dB SPL
Peak	140 dB SPL	144 dB SPL
HFA-OSPL 90	130 dB SPL	-
Gain		
Full-on gain (FOG) at 1.6 kHz	-	78 dB
Full-on gain (Peak)	82 dB	85 dB
HFA-FOG	72 dB	-
Reference test gain	53 dB	62 dB
Frequency, noise and directivity		
Frequency range	100 - 4800 Hz	100 - 4900 Hz
Equivalent input noise	18 dB	18 dB
Total harmonic distortion at 500 / 800 / 1600 Hz	2 / 1 / 2 %	4 / 2 / 2 %
AI-DI	3.7 dB	
Inductive coil sensitivity		
MASL (1 mA/m) at 1.6 kHz	-	108 dB
HFA MASL (1 mA/m)	100 dB	-
HFA SPLITS (left/right)	111 / 111 dB	-
RSETS (left/right)	-2 / -2 dB	-
AGC-O (fully activated)		
Attack / release time	3 / 90 ms	-
Battery		
Battery voltage	1.3 V	
Battery current drain	2.1 mA	
Battery life (cell zinc air)	~ 180 h	
Battery life (rechargeable)	-	
IRIL IEC 118-13:2011 (bystander)		
800 - 960 MHz	< -34 dB SPL	
1400 - 2000 MHz	< -14 dB SPL	
ANSI C63.19	M4 / T3	

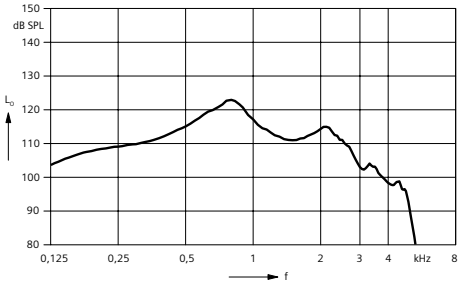
Finesse 2^{C} HP (Earhook undamped) · Basic Data

2 ccm coupler



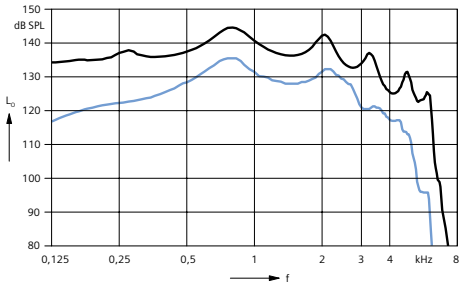
Output sound pressure level (L_I = 90 dB)

Full on gain (L_I = 50 dB)



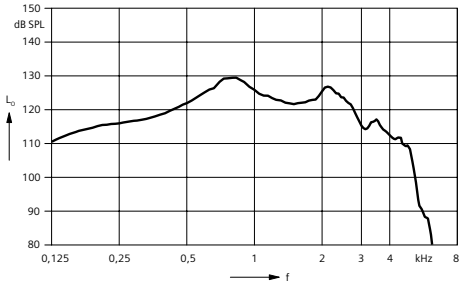
Frequency response (L_I = 60 dB)

Ear simulator



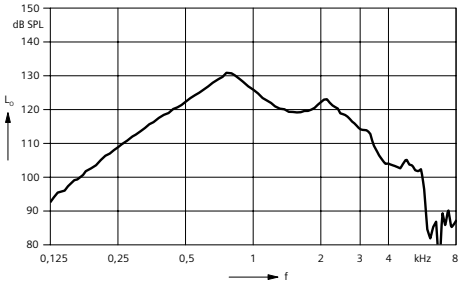
Output sound pressure level (L_I = 90 dB)

Full on gain (L_I = 50 dB)

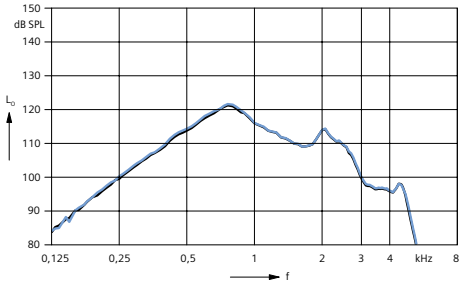


Basic acoustic response (L_I = 60 dB)

Inductive response



Inductive response (H = 10 mA/m)



SPLITS curve left (H = 31.6 mA/m)

SPLITS curve right (H = 31.6 mA/m)

[Finesse 2C HP]

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
AI-DI	Articulation Index Directivity Index
MASL	Magneto Acoustical Sensitivity Level
SPLITS	Coupler SPL for an Inductive Telephone Simulator
RSETS	Relative Equivalent Telephone Sensitivity
AGC-O	Automatic Gain Control - Output
IRIL	Input Related Interference Level
MPO	Maximum Pressure Output

Standards

- All measurements with the 2 ccm coupler were performed according to ANSI S3.22-2009 and IEC 60118-7:2005.
- All measurements with an ear simulator were performed according to IEC 118-0/A1 and to DIN 45605 (frequency range).
- The following ear pieces were used:
  - Earhook undamped

⚠ 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.

Only for instruments with child-lock battery door:

⚠ WARNING

Choking hazard posed by small parts.

- Infants, small children and persons of mental incapacity must not wear the hearing instrument without appropriate supervision.
- Acoustic coupling tube and earpiece must not be detachable by the child.
- The diameter of the earpiece is recommended to be in the range of 32 mm and may enclose the outer ear.
- Demonstrate and explain the battery door locking mechanism to the child's parents or caretaker.

Only for instruments with standard battery door:

⚠ WARNING

Choking hazard posed by small parts.

- This instrument is not intended for the fitting of infants, small children and persons of mental incapacity.

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