

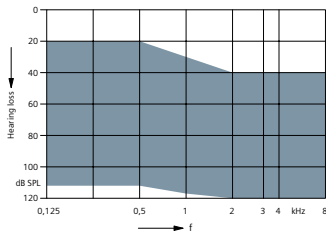


usa.siemens.com/hearing

Technical Data

Nitro[®] micon[™] (7/3mi)

Fitting Range



Description

- Appropriate for severe to profound hearing loss
- Highly flexible digital signal processing and programming:
48-channel – **7mi**, 24-channel – **3mi**

Audiological Features with BestSound Technology

miFocus

- Automatic and multi-channel adaptive directional microphone system: 48-channel – **7mi**, 24-channel – **3mi**
- 20-channel AGC-I 20-channel AGC-O system with 20 handles – **7mi**, 12-channel AGC-I 12-channel AGC-O system with 12 handles – **3mi**
- Directional speech enhancement – **7mi**
- Hi Res Speech Focus /Automatic – **7mi**
- micon TrueEar[™] – **7mi**
- Frequency Compression

miSound

- Feedback Cancellation
- micon Speech and Noise Management:
7-steps – **7mi**, 3-steps – **3mi**
- micon SoundSmoothing[®] transient noise reduction:
3-steps – **7mi**, on/off – **3mi**
- micon eWindScreen[®], wind noise reduction system:
3-steps – **7mi**, on/off – **3mi**
- Tinnitus Therapy feature: 16-channels – **7mi**,
12-channels – **3mi**

miGuide

- Sound equalization: 6-classes – **7mi**
- micon Learning: 6-classes – **7mi**, 1-class – **3mi**
- Data Logging
- micon fit
- Acclimatization Manager – **7mi**

Standard Features

- Binaural synchronization with e2e wireless[®] 2.0
- Push button, Rocker switch
- AutoPhone[®]
- Telecoil
- Battery compartment with on/off function
- Battery door lock
- DAI-ready

Accessories

- miniTek[®] wireless enhancement system
- Tek[®] wireless enhancement system
- EasyPocket[™]
- ePen[®] remote control
- ProPocket[™]
- ConnexLink[®] for wireless programming



Life sounds brilliant.

Nitro 7/3mi · Technical Data

Type	Earhook (undamped)
	2 ccm coupler – Standard ANSI S3.22-2009
Output Sound Pressure Level	
Peak	140 dB SPL
HF-Average OSPL 90	130 dB SPL
Gain (Input 50 dB)	
Peak	82 dB
HF-Average	72 dB
Reference Test Gain	53 dB
Frequency Range	
	100 - 5000 Hz
Total Harmonic Distorsion	
500 Hz	2%
800 Hz	1%
1600 Hz	2%
Equivalent Input Noise	
	18 dB
Inductive Coil Sensitivity	
HFA Splits ¹ (Left / Right)	108 / 107 dB
RSETS ² (Left / Right)	-5 / -6 dB
AGC-O (CK = -21 dB)	
Attack / Release time	3 / 90 ms
Battery	
Type	675
Battery current drain	2.1 mA
Battery life (Cell Zinc Air)	~ 180 h
ANSI C63.19	
	M4 / T3
AI – DI³	
	3.5 dB

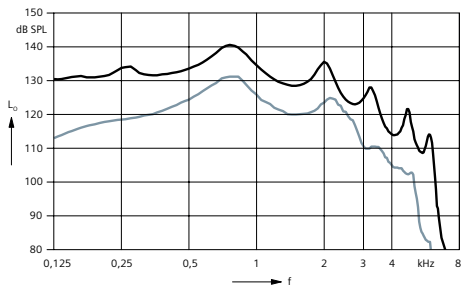
¹SPLITS=Coupler SPL for an Inductive Telephone Simulator

²RSETS=Relative Simulated Equivalent Telephone Sensitivity

³AI-DI = Articulation Index – Weighted Directivity Index

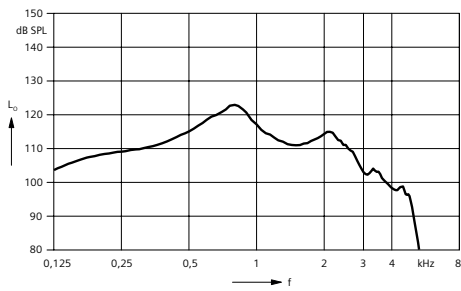
Nitro 7/3mi · Basic Data

Earhook (undamped) – 2 ccm coupler



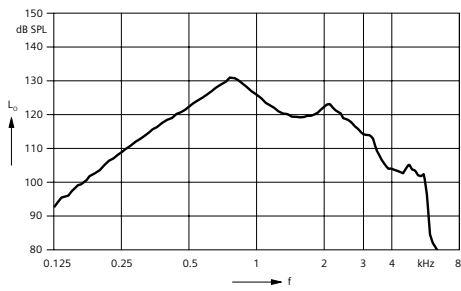
Output Sound Pressure Level
($L_i = 90$ dB)
ANSI S3.22-2009

Full on Gain
($L_i = 50$ dB)
ANSI S3.22-2009



Frequency Response
($L_i = 60$ dB)
ANSI S3.22-2009

Inductive response




SPLITS curve left
($H = 31.6$ mA/m)
ANSI S3.22-2009


SPLITS curve right
($H = 31.6$ mA/m)
ANSI S3.22-2009

 **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.

 **WARNING for Nitro micon with optional child-lock battery door**

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.

 **WARNING for Nitro micon with standard battery door**

Choking hazard posed by small parts.
▶ This instrument is not intended for the fitting of infants, small children and persons of mental incapacity.

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.

Hearing instruments help many people hear better, but no hearing instrument can solve every hearing problem nor restore normal hearing.

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BTE and RIC Hearing Instruments made in Singapore.

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