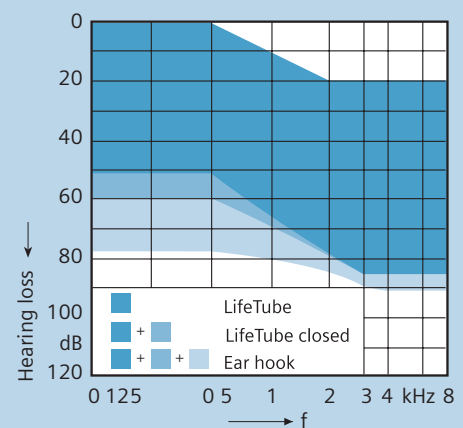


Technical Data

ARTIS™ 2 S BTE

Premium Features

- Fully digital and programmable 12-channel BTE instrument
- For mild to moderate hearing losses
- Optimized solution for binaural fittings because of synchronized programs, volume and signal processing
- Programmable BTE instruments with e2e wireless™ and DataLearning™ technology
- High performance, automatic and adaptive multichannel directional microphone
- Automatic and adaptive feedback cancellation
- Automatic situation detection including music detection
- Adaptive noise reduction and speech enhancement in 12 channels
- eWindScreen™, wind noise reduction system
- 4 individual hearing programs for microphone audio shoe and/or telecoil



Additional Features

- AutoPhone™ switchless telecoil
- Audio Input
- Battery compartment with lock and ON/OFF switch
- Push button for program selection with alert tones for program change
- Battery type 13
- Alert tones for low battery voltage
- Nanocoated housing

Options and Accessories

- Available in the following colors: beige, brown, grey, granite, silver, black, pearl white, transparent, light blue, light pink, and translucent fun colors: purple, green, blue, orange, and pink
- ePocket™ remote control
- Audio shoe
- Small earhook

Technical Data

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ARTIS 2 S BTE Technical Data

| | 2cc coupler Standard ANSI S3.22-2003 | |
|------------------------------------|---|------------------|
| | Standard Earhook | LifeTube* |
| Output Sound Pressure Level | | |
| Peak | 123 dB | 123 dB |
| HF-Average OSPL 90 | 122 dB | 114 dB |
| Gain (Input 50 dB) | | |
| Peak | 55 dB | 55 dB |
| HF-Average | 52 dB | 43 dB |
| Reference test gain | 45 dB | 37 dB |
| Frequency Range | | |
| Low frequency limit | 100 Hz | 100 Hz |
| High frequency limit | 6100 Hz | 6700 Hz |
| Total Harmonic Distortion | | |
| 500 Hz | 4% | 4% |
| 800 Hz | 3% | 3% |
| 1600 Hz | 1% | 1% |
| Equivalent Input Noise | 18 dB | 18 dB |
| Induction Coil Sensitivity | | |
| MASL* | 83 dB | 74 dB |
| HF-Average SPLITS** (left/right) | 108/105 dB | 99/96 dB |
| STS** (left/right) | 3/0 dB | 2/-1 dB |
| HF-Average MASL | 83 dB | 74 dB |
| ETLS | 2 dB | 1 dB |
| AGC-O (CK = -21 dB) | | |
| Attack time | 4 ms | 4 ms |
| Release time | 100 ms | 100 ms |
| Battery | | |
| Type | 13 cell zinc-air | 13 cell zinc-air |
| Current Drain | 1.2 mA | 1.2 mA |
| Typical Life | ~190 h | 190 h |

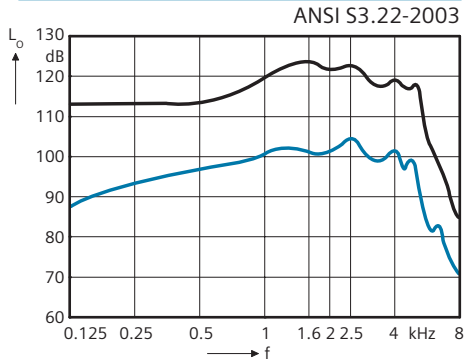
Technical information for e2e wireless function:
 Operating frequencies: $f_{\text{low}} = 115 \text{ kHz}$, $f_{\text{high}} = 120 \text{ kHz}$;
 Rated H-field strength (maximum): $-11,5 \mu\text{A/m}$ at 3 meters.

*MASL = Magneto Acoustical Sensitivity Level
 **SPLITS = Coupler SPL for an Inductive Telephone Simulator
 ***STS = Simulated Telephone Sensitivity
 Measure instructions: Instrument in linear setting.
 Input signal: Sinus Burst; Frequency: 2500 Hz; Low Level: 33 dB; High Level: 60 dB;
 Interval: 250 ms; On; Time: 125 ms.

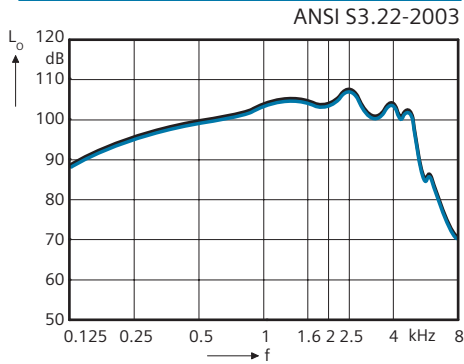
ARTIS 2 S BTE Basic Data

Basic Data w/Standard Earhook

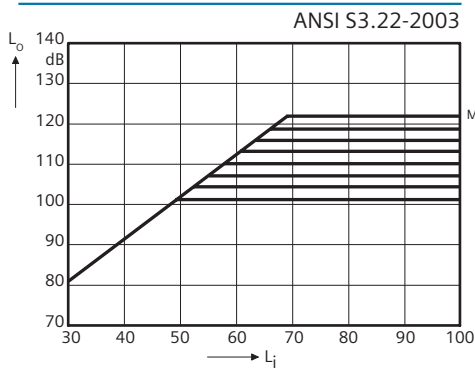
Output Sound Pressure Level ($L_i = 90$ dB)
 Maximum Gain ($L_i = 50$ dB)



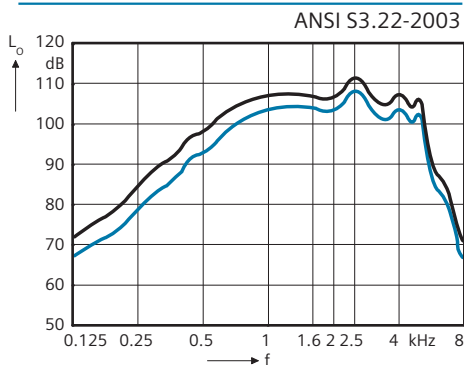
Frequency Response ($L_i = 60$ dB)
 Basic Frequency Response ($L_i = 60$ dB)



Effect of MPO (FOG, $f = 2$ kHz)

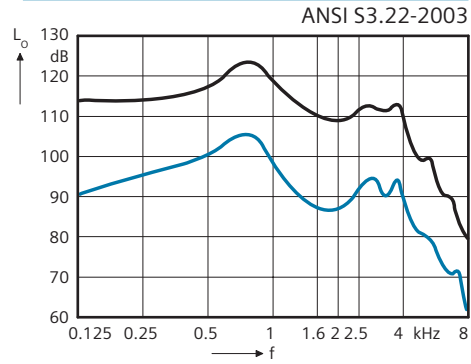


SPLITS Curve Left ($H = 31.6$ mA/m)
 SPLITS Curve Right ($H = 31.6$ mA/m)

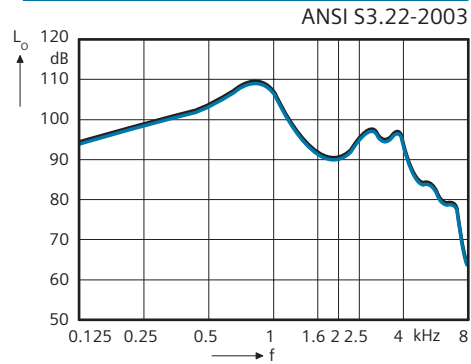


Basic Data with LifeTube™

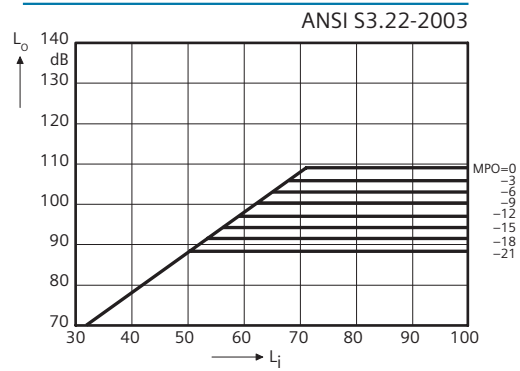
Output Sound Pressure Level ($L_i = 90$ dB)
 Maximum Gain ($L_i = 50$ dB)



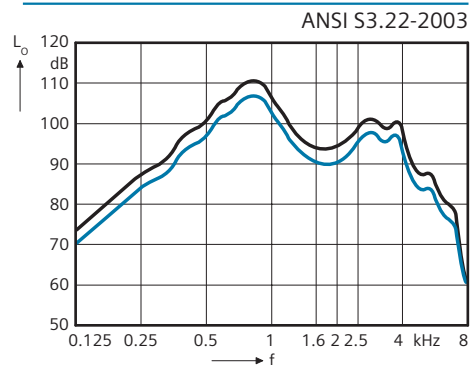
Frequency Response ($L_i = 60$ dB)
 Basic Frequency Response ($L_i = 60$ dB)



Effect of MPO (FOG, $f = 2$ kHz)



SPLITS Curve Left ($H = 31.6$ mA/m)
 SPLITS Curve Right ($H = 31.6$ mA/m)

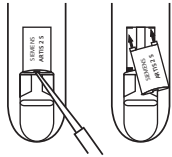


ARTIS 2 S BTE Fitting Information



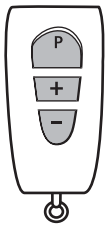
Programming Socket

The programming socket lies under a flap below the program button. Use a suitable tool to open the flap. After the programming procedure is complete, close the flap using your fingernail.



Changing the Typeplates

To mark the left and right side of the ARTIS 2 S instruments when fitting binaurally, exchange the housing colored typeplates on the inner curve of the instruments for blue (left) and red (right). Use a suitable tool to lift and remove the typeplate. Lock the two pins on the new typeplate into the openings and press gently into position with your finger.

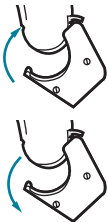


ePocket™

The ARTIS 2 hearing system supports the use of ePocket™, a bi-directional remote control with read out function.

ePocket can change the hearing programs and the volume of ARTIS 2. The ePocket read out function will display the current program, volume level and battery status of the instrument(s).

ePocket includes a cover and clip.



Audio Shoe

To attach an audio shoe to ARTIS 2 S, open the battery compartment to the first stop. Open the flap under the programming socket and hook the audio shoe in from the front. Press the audio shoe into place so that it attaches to the back and the curve of the audio shoe presses against the bottom of the hearing system.

To remove the audio shoe, pull it toward the front. Then unhook the audio shoe and close the flap.



Earhook, small

For optimal fitting to smaller ears, a small earhook is an available option.



Pediatric Accessories

A Use and Care kit containing items to care for hearing instruments (blower, stethoset, drying kit, and more) and a teddy bear wearing hearing instruments packed into a colorful lunchbox; storybooks for children about hearing loss, and other materials are available to support pediatric fittings. For more information or to order pediatric materials, contact your Siemens Sales Representative.

Siemens Hearing Instruments, Inc. locations

United States Headquarters/Northeast Manufacturing Facility:

10 Constitution Avenue, P.O. Box 1397, Piscataway, NJ 08855-1397 • (732) 562-6600 or (800) 766-4500

Midwest Sales Facility: (847) 808-1200 or (800) 333-9083

West Manufacturing Facility: (562) 404-4531 or (800) 998-9787

Technical Support for Software and Systems: (888) 231-1333

www.usa.siemens.com/hearing

Siemens Hearing Instruments

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320 Pinebush Road, Cambridge, Ontario, Canada N1T 1Z6 • (519) 622-5200 or (800) 663-0620

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