

# Technical Data

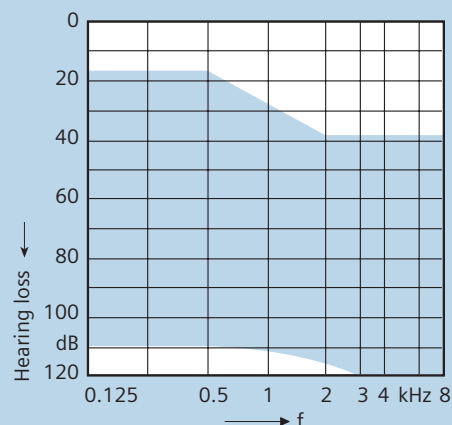
## ARTIS™ 2 SP BTE

### Premium Features

- Programmable 12 channel BTE instruments with e2e wireless™ and DataLearning™ technology
- For severe to profound hearing losses
- Optimized solution for binaural fittings because of synchronized programs, volume and signal processing
- 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

### Standard Features

- Nanocoated housing
- AutoPhone™ switchless telecoil
- Audio Input
- Battery compartment with lock and On/Off switch
- Volume control
- Push button for program selection with alert tones for program change
- Battery type 675
- Alerting tones for low battery voltage



### Options and Accessories

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

### Technical Data

[www.usa.siemens.com/hearing](http://www.usa.siemens.com/hearing)

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# ARTIS 2 SP BTE Technical Data

		2cc coupler
<b>Output Sound Pressure Level</b>	Peak	Standard ANSI S3.22-2003 138 dB
	HF-Average OSPL 90	132 dB
<b>Gain (Input 50 dB)</b>	Peak	80 dB
	HF-Average	73 dB
	Reference test gain	55 dB
<b>Frequency Range</b>	Low frequency limit	<100 Hz
	High frequency limit	5000 Hz
<b>Total Harmonic Distortion</b>	500 Hz	5%
	800 Hz	2%
	1600 Hz	1%
<b>Equivalent Input Noise</b>		26 dB
<b>Induction Coil Sensitivity</b>	HF-Average SPLITS* (left/right)	106/113 dB
	STS** (left/right)	-9/-2 dB
	HF-Average MASL***	98 dB
<b>AGC-O (CK = -21 dB)</b>	Attack time	8 ms
	Release time	100 ms
<b>Battery</b>	Type	675 zinc air
	Current Drain	2 mA
	Typical Life	240 h

Technical information for e2e wireless function:

Operating frequencies:  $f_{low} = 115$  kHz,  $f_{high} = 120$  kHz; Rated H-field strength (maximum):  $-11.5 \mu\text{A/m}$  at 3 meters.

\*SPLITS = Coupler SPL for an Inductive Telephone Simulator

\*\*STS = Simulated Telephone Sensitivity

\*\*\*MASL = Magneto Acoustical Sensitivity Level

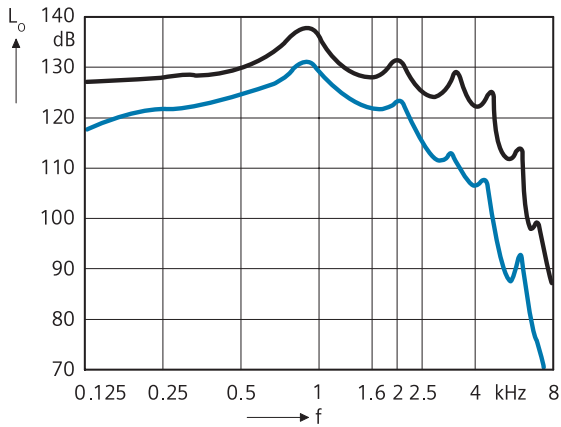
Measure instructions: Instrument in linear setting. Input signal: Sinus Burst; Frequency: 2500 Hz; Low Level: 33 dB; High Level: 60 dB; Interval: 250 ms; On; Time: 125 ms

# ARTIS 2 SP BTE Basic Data

## 2 cc coupler

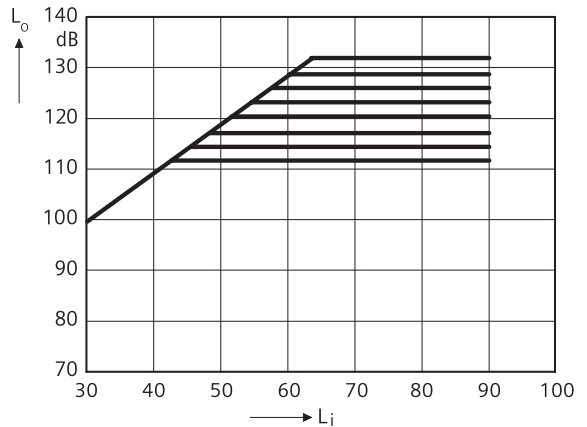
Output Sound Pressure Level ( $L_i = 90$  dB)  
Maximum Gain ( $L_i = 50$  dB)

ANSI S3.22-2003



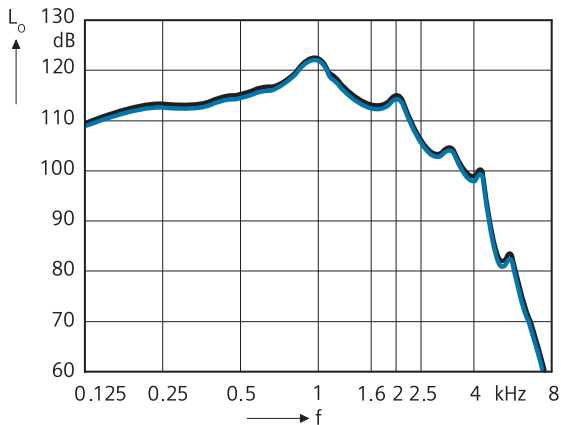
Effect of MPO (FOG,  $f = 2$  kHz)

ANSI S3.22-2003



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

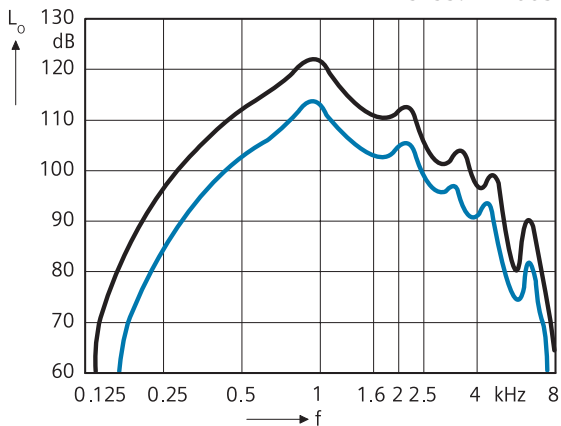
ANSI S3.22-2003



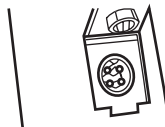
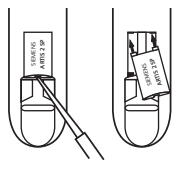
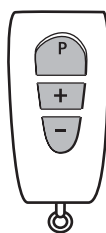



## Inductive Response

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

ANSI S3.22-2003



# ARTIS 2 SP BTE Fitting Information

	<p><b><u>Programming Socket</u></b></p> <p>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.</p>
	<p><b><u>Changing the Typeplates</u></b></p> <p>To mark the left and right side of the ARTIS 2 SP 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.</p>
	<p><b><u>ePocket™</u></b></p> <p>The ARTIS 2 hearing system supports the use of ePocket™, a bi-directional remote control with read out function.</p> <p>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).</p> <p>ePocket includes a cover and clip.</p>
	<p><b><u>Audio Shoe</u></b></p> <p>To attach an audio shoe to ARTIS 2 SP, 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.</p> <p>To remove the audio shoe, pull it toward the front. Then unhook the audio shoe and close the flap.</p>
	<p><b><u>Earhook, small</u></b></p> <p>For optimal fitting to smaller ears, a small earhook is an available option.</p>
	<p><b><u>Pediatric Accessories</u></b></p> <p>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.</p>

## 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](http://www.usa.siemens.com/hearing)

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