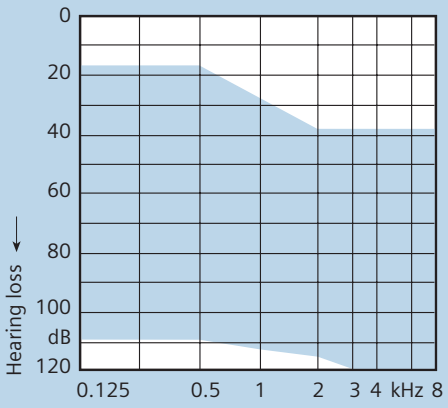
SIEMENS

Technical Data

CENTRA SP BTE

Premium Features

- Digital 16-channel amplifier with 8 fully adjustable compression channels
- Programmable BTE instrument with SoundSmoothing™ technology, DataLearning™ technology, and e2e wireless™
- Optimized solution for binaural fitting
- For severe to profound hearing losses
- Binaural program selection with e2e wireless
- High performance directional microphone, automatic and multi-channel adaptive operation
- Automatic and adaptive feedback cancellation
- Automatic situation detection with music detection
- Adaptive noise reduction and adaptive speech enhancement
- eWindScreen™, wind noise reduction system
- Professional and efficient fitting with the workflow oriented CONNEXX™ software



Standard Features

- SoundSmoothing technology
- DataLearning technology
- e2e wireless technology
- Audio input and FM compatibility
- Telecoil with AutoPhone™
- Volume control with learning function
- Battery compartment with lock and ON/OFF switch
- Push button for program selection with alerting tones for program change
- Programmable ON/OFF function for push button
- Four individual hearing programs for microphone, audio shoe and telecoil mode
- Battery type 675
- Alerting tones for low battery voltage

Options and Accessories

- Available in the following colors: beige, brown, grey, granite, silver, black, transparent, and translucent fun colors: purple, green, blue, orange and pink
- ePocket™, bi-directional remote control with read out function, program change and volume adjustment
- Audio shoe
- Small earhook
- Eyeglass adapter
- Materials to support pediatric fittings (use and care kit, storybooks, and more)

CENTRA SP BTE Technical Data

	2cc coupler
Output Sound Pressure Level	**Standard ANSI S3.22-2003**
Peak	138 dB
HF-Average OSPL 90	132 dB
Gain (Input 50 dB)	
Peak	80 dB
HF-Average	73 dB
Reference test gain	55 dB
Frequency Range	
Low frequency limit	<100 Hz
High frequency limit	5000 Hz
Total Harmonic Distortion	
500 Hz	5%
800 Hz	2%
1600 Hz	1%
Equivalent Input Noise	26 dB
Induction Coil Sensitivity	
HFA SPLITS* (left/right)	110/116 dB
STS** (left/right)	-6/1 dB
AGC-O (CK = -21 dB)	
Attack time	8 ms
Release time	100 ms
Battery	
Type	675 cell zinc-air
Voltage	1.3 v
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 strengh (maximum): –11,5 µA/m at 3 meters.

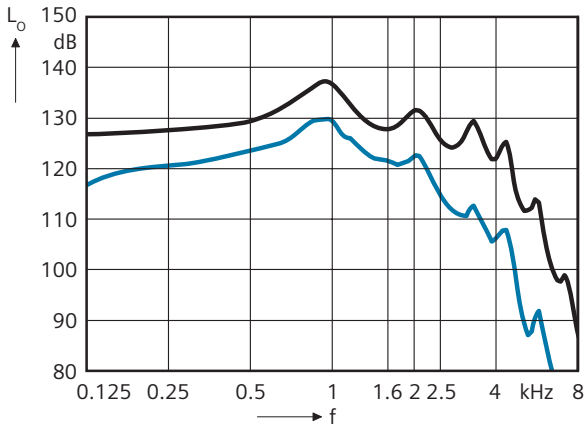
*SPLITS = Coupler SPL for an Inductive Telephone Simulator
**STS = Simulated Telephone Sensitivity
Measure instructions: Instrument in linear setting. Input signal: Sinus Burst; Frequency: 2500 Hz; Low Level: 33 dB; High Level: 60 dB; Interval: 250 ms; On; Time: 125 ms.

CENTRA SP BTE Basic Data

2 cmm coupler

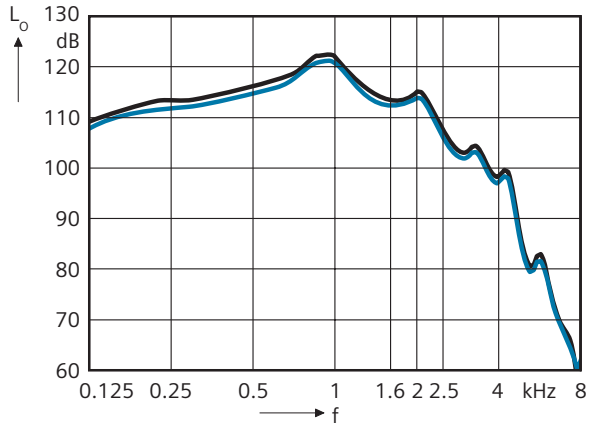
Output Sound Pressure Level (L_i = 90 dB)
Maximum Gain (L_i = 50 dB)

IEC 118-7/A1; ANSI S3.22-2003



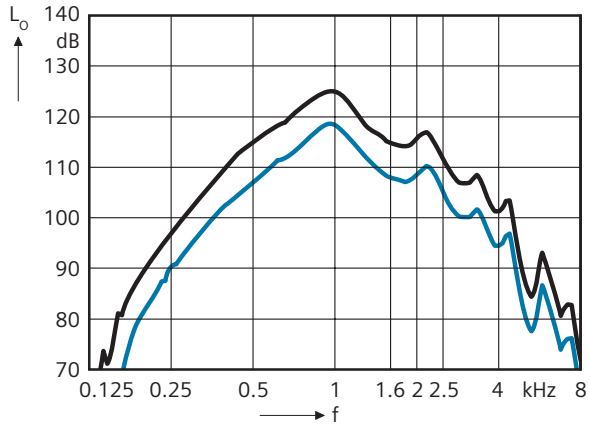
Basic Acoustic Response (L_i = 60 dB)
Frequency Response (L_i = 60 dB)

IEC 118-7/A1; ANSI S3.22-2003



Inductive Response right (H = 31.6 mA/m)
Inductive Response left (H = 31.6 mA/m)

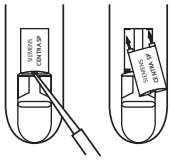
ANSI S3.22-2003



CENTRA SP BTE Fitting Information

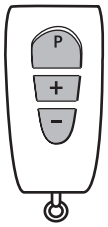
Programming Socket

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 CENTRA 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.

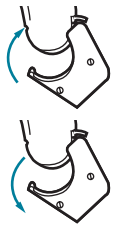


ePocket™

The CENTRA 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 CENTRA. 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 CENTRA 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.

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
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West Manufacturing Facility: (562) 404-4531 or (800) 998-9787
Technical Support for Software and Systems: (888) 231-1333

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