

# Technical Data

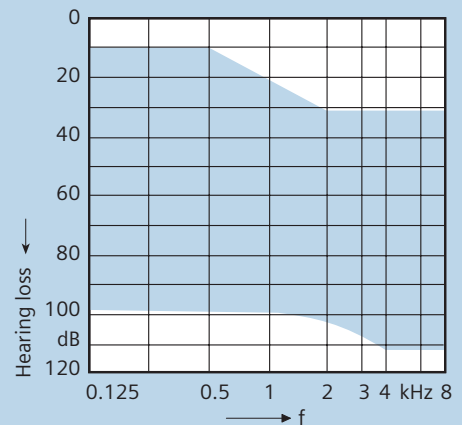
## CENTRA P BTE

### Premium Features

- Digital 16-channel amplifier with 8 fully adjustable compression channels
- SoundSmoothing™ technology and DataLearning™ technology
- Programmable BTE instruments with e2e wireless™
- Optimized solution for binaural fittings
- For moderate to severe 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 new workflow oriented CONNEXX™ software

### Standard Features

- SoundSmoothing technology
- DataLearning technology
- e2e wireless technology
- Audio input and compatibility with FM systems
- Telephone coil 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 13
- Alerting tones for low battery power



### Options

- 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 P BTE Technical Data

		2cc coupler
<b>Output Sound Pressure Level</b>	Peak	131 dB
	HF-Average OSPL 90	126 dB
<b>Gain (Input 50 dB)</b>	Peak	70 dB
	HF-Average	63 dB
	Reference test gain	49 dB
<b>Frequency Range</b>	Low frequency limit	130 Hz
	High frequency limit	6000 Hz
<b>Total Harmonic Distortion</b>	500 Hz	4%
	800 Hz	4%
	1600 Hz	3%
<b>Equivalent Input Noise</b>		<16 dB
<b>Induction Coil Sensitivity</b>	HFA SPLITS* (left/right)	106/109 dB
	STS** (left/right)	-3/0 dB
<b>AGC-O (CK = -21 dB)</b>	Attack time	4 ms
	Release time	100 ms
<b>Battery</b>	Type	13 cell zinc-air
	Voltage	1.3 v
	Current Drain	1.6 mA
	Typical Life	~140 h

Technical information for e2e wireless function: Operating frequencies:  $f_{low} = 115$  kHz,  $f_{high} = 120$  kHz; Rated H-field strength (maximum):  $-11.5$   $\mu$ A/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.

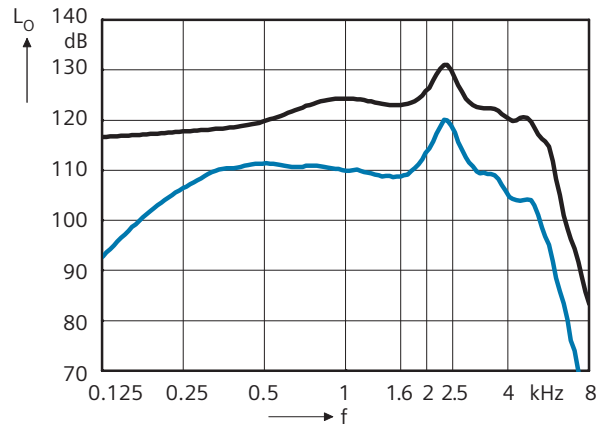
# CENTRA P BTE Basic Data

## 2 cmm coupler

Output Sound Pressure Level ( $L_i = 90$  dB)

**Maximum Gain** ( $L_i = 50$  dB)

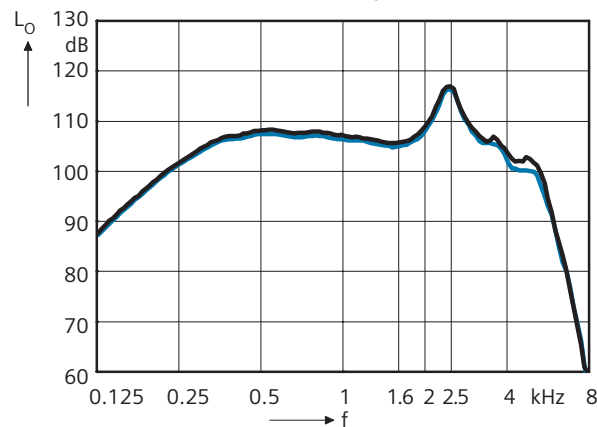
IEC 118-7/A1; ANSI S3.22-2003



Frequency Response ( $L_i = 60$  dB)

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

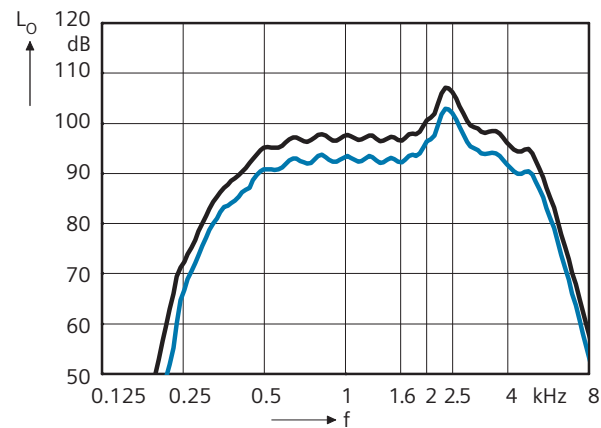
IEC 118-7/A1; ANSI S3.22-2003



**Inductive Response Left** ( $H = 31.6$  mA/m)

**Inductive Response Right** ( $H = 31.6$  mA/m)

ANSI S3.22-2003

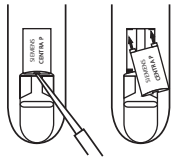


# CENTRA P BTE Fitting Information



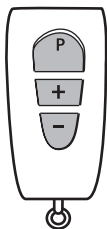
## Programming Socket

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 P 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.

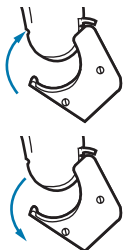


## ePocket™

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 P, 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 Manufacturing 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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