

Technical Data

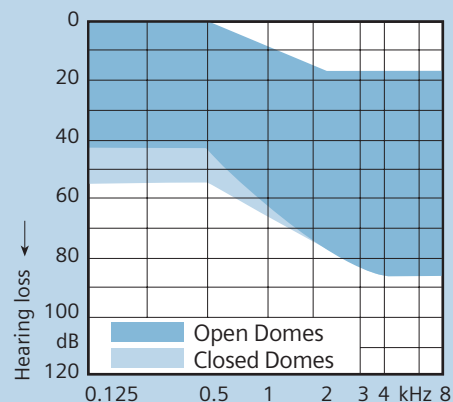
CENTRA Active™ BTE

Premium Features

- Receiver-in-canal (RIC) hearing system designed for the today's active hearing instrument wearers
- Water resistant
- Rechargeable
- Ergonomically shaped receiver unit designed for optimum placement in the ear canal, available in different sizes for the left and right ear
- Water resistant domes with integrated C-Guard™ technology available in open and closed sizes
- Binaural synchronization with e2e wireless™
- Nanocoated housing that repels water, and prevents moisture damage
- TwinMic™ directional technology
- CENTRA technology including SoundSmoothing™, DataLearning™, e2e wireless and eWindScreen™, wind noise reduction system
- Clip on replaceable microphone covers protect microphones from moisture and debris

Accessories and Options

- Intelligent charger, that charges up to two instruments
- The instruments work all day on a single night's charge
- 13 size rechargeable batteries or 13 standard size batteries can be used
- ePocket™ remote control option for discreet and easy adjustment



CENTRA Active BTE Technical Data

		2cc coupler
Output Sound Pressure Level	Peak	108 dB
	HF-Average OSPL 90	101 dB
Gain (Input 50 dB)	Peak	45 dB
	HF-Average	35 dB
	Reference test gain	24 dB
Frequency Range	Low frequency limit	100 Hz
	High frequency limit	7000 Hz
Total Harmonic Distortion	500 Hz	1%
	800 Hz	1%
	1600 Hz	1%
Equivalent Input Noise		17 dB
AGC-O (CK = -21 dB)	Attack time	4 ms
	Release time	100 ms
Battery	Type	13 cell zinc-air
	Current Drain	1.0 mA
	Typical Life	240 hrs.

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.

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.

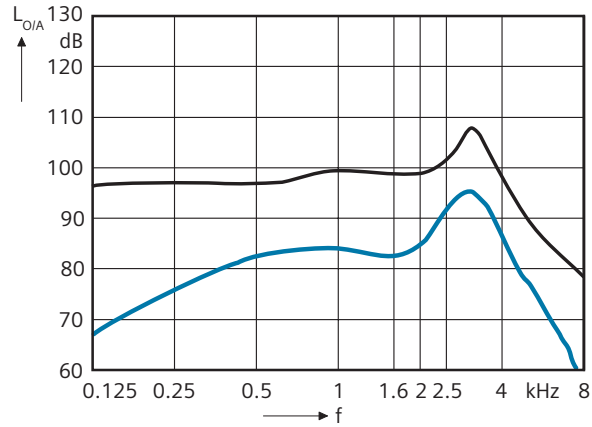
CENTRA Active BTE Basic Data

2 cmm coupler

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

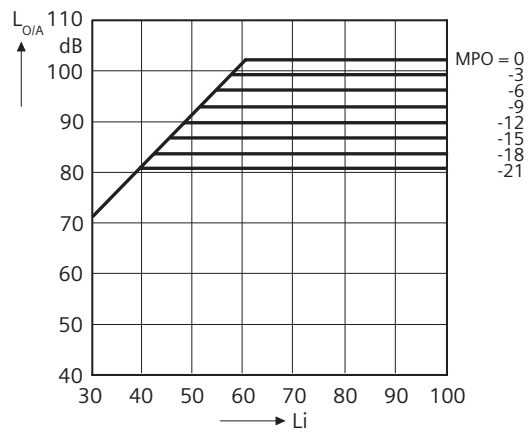
Maximum Gain ($L_i = 50$ dB)

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

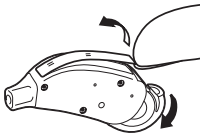

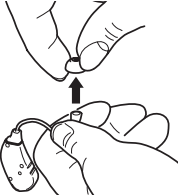
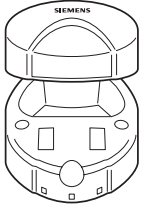
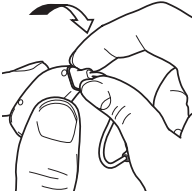


Effect of MPO-Control (FOG, $f = 2.5$ kHz)

ANSI S3.22-2003



CENTRA Active BTE Fitting Information

	<p><u>Programming Socket</u></p> <p>The programming socket lies under the clip on microphone cover.</p>
	<p><u>Attaching and Removing Clip-on Microphone Cover</u></p> <p>The clip-on microphone covers are easily replaced.</p> <p>Removing – Open the battery compartment and lift the clip-on cover with your fingernail. It will slide open.</p> <p>Inserting – Hold the new cover with the two pins at the upper end and clip it into the housing.</p>
	<p><u>Turning your CENTRA Active On and Off</u></p> <p>To turn on – Fully close the battery compartment to turn the instrument ON.</p> <p>To turn off – Press the battery compartment downward to the first stop to turn the instrument OFF.</p>
	<p><u>ePocket™</u></p> <p>The CENTRA Active 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 CENTRA. 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><u>Attaching/Removing Domes</u></p> <p>Holding the receiver unit in one hand, grasp the dome between the thumb and index finger of your other hand. Then remove the dome from the receiver.</p> <p>Place the new dome on the receiver unit. The mark on the receiver unit helps you to position it correctly.</p>
	<p><u>Charger</u></p> <p>The optional intelligent charger charges up to two CENTRA Active instruments simultaneously. It is simple to use, with LED lights to indicate charging status.</p>
	<p><u>Attaching and Removing Receiver</u></p> <p>Removing – Hold the instrument in one hand and turn the receiver unit with the other hand carefully to the left (45°) and remove it.</p> <p>Attaching – Join the instrument and a new receiver unit together by turning the receiver unit slightly to the left until it locks into place, and then to the right.</p>

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