

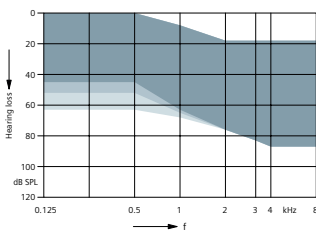


[usa.siemens.com/hearing](http://usa.siemens.com/hearing)

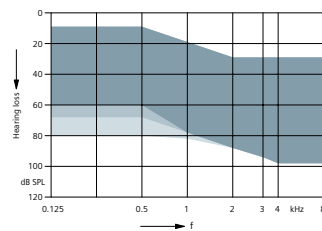
## Technical Data

### Orion™ RIC

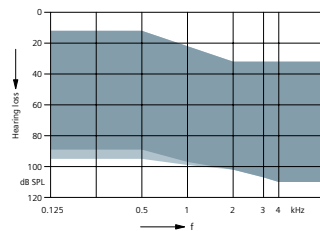
**S-Receiver**



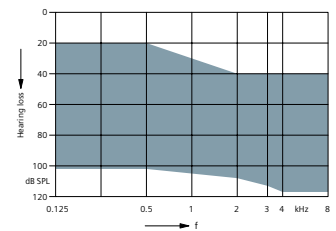
**M-Receiver**



**P-Receiver**



**HP-Receiver**



#### Description

- Very small Receiver-in Canal (RIC) hearing system appropriate for mild, moderate to severe hearing losses
- Highly flexible 16-channel digital signal processing and programming

#### Audiological Features with BestSound Technology

- Automatic directional microphone system
- 16-channel AGC-I 16-channel AGC-O system with 8 handles
- Frequency Compression
- Feedback Cancellation
- Speech and Noise Management
- eWindScreen®, wind noise reduction system
- Tinnitus control feature
- Data Logging

#### Standard Features

- Volume control and program synchronization with e2e wireless® 2.0
- Push button, Rocker switch, Flat Cover
- Ergonomically shaped receiver units in 4 different amplification levels, available in different sizes for the left and right ear
- Telecoil
- Battery compartment with on/off function
- Nanocoated housing

#### Accessories

- easyPocket™ remote control
- ePen® remote control
- ProPocket™
- ConnexLink® for wireless programming
- Programming pill



Life sounds brilliant.

# Orion RIC · Technical Data

Type	S-Receiver	M-Receiver	P-Receiver	HP-Receiver
2 ccm coupler – Standard ANSI S3.22-2009				
<b>Output Sound Pressure Level</b>				
Peak	108 dB	119 dB	124 dB	130 dB
HF-Average OSPL 90	102 dB	114 dB	120 dB	124 dB
<b>Gain (Input 50 dB)</b>				
Peak	45 dB	60 dB	70 dB	75 dB
HF-Average	37 dB	50 dB	63 dB	68 dB
Reference Test Gain	25 dB	37 dB	43 dB	47 dB
<b>Frequency Range</b>				
	<100 - 8200 Hz	<100 - 8200 Hz	<100 - 7800 Hz	<100 - 7500 Hz
<b>Total Harmonic Distorsion</b>				
500 Hz	1%	1%	2%	1%
800 Hz	1%	1%	2%	2%
1600 Hz	1%	2%	1%	1%
<b>Equivalent Input Noise</b>				
	18 dB	19 dB	18 dB	18 dB
<b>Inductive Coil Sensitivity</b>				
HFA Splits <sup>1</sup> (Left / Right)	85 / 83 dB	97 / 95 dB	103 / 101 dB	107 / 105 dB
RSETS <sup>2</sup> (Left / Right)	0 / -2 dB	0 / -2 dB	0 / -2 dB	0 / -2 dB
AGC-O (CK = -21 dB)				
Attack / Release time	3 / 90 ms	3 / 90 ms	3 / 90 ms	3 / 90 ms
<b>Battery</b>				
Type	312	312	312	312
Battery current drain	0.8 mA	1.0 mA	1.0 mA	1.1 mA
Battery life (Cell Zinc Air)	~150 h	~120 h	~120 h	~110 h
<b>ANSI C63.19</b>				
	M4 / T4	M4 / T4	M4 / T4	M4 / T4
<b>AI – DI<sup>3</sup></b>				
	3.8	3.8	3.8	3.8

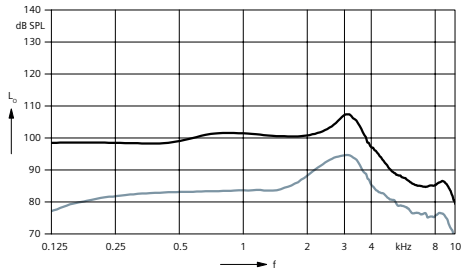
<sup>1</sup>SPLITS=Coupler SPL for an Inductive Telephone Simulator

<sup>2</sup>RSETS=Relative Simulated Equivalent Telephone Sensitivity

<sup>3</sup>AI-DI = Articulation Index – Weighted Directivity Index

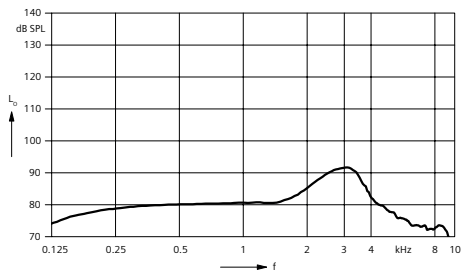
# Orion RIC · Basic Data

## Closed Dome – 2cc coupler S-Receiver



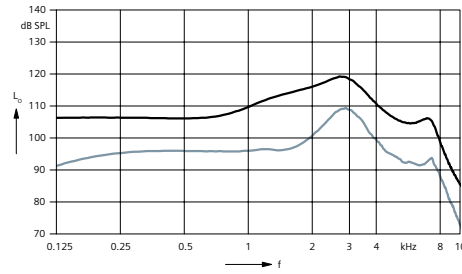
Output Sound Pressure Level  
( $L_i = 90$  dB)  
ANSI S3.22-2009

Full on Gain  
( $L_i = 50$  dB)  
ANSI S3.22-2009



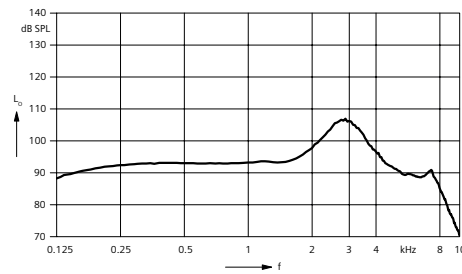
Frequency Response  
( $L_i = 60$  dB)  
ANSI S3.22-2009

## Closed Dome – 2cc coupler M-Receiver



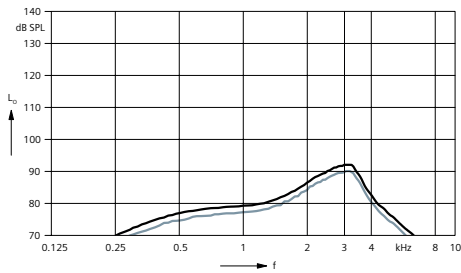
Output Sound Pressure Level  
( $L_i = 90$  dB)  
ANSI S3.22-2009

Full on Gain  
( $L_i = 50$  dB)  
ANSI S3.22-2009



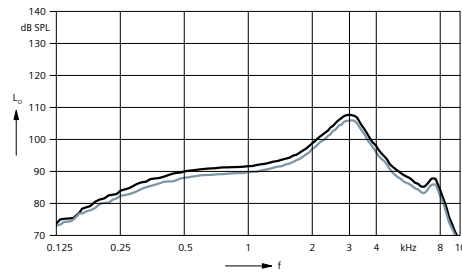
Frequency Response  
( $L_i = 60$  dB)  
ANSI S3.22-2009

## Inductive response



SPLITS curve  
left and right  
( $H = 31.6$  mA/m)  
ANSI S3.22-2009

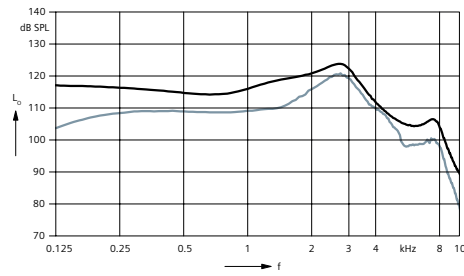
## Inductive response



SPLITS curve  
left and right  
( $H = 31.6$  mA/m)  
ANSI S3.22-2009

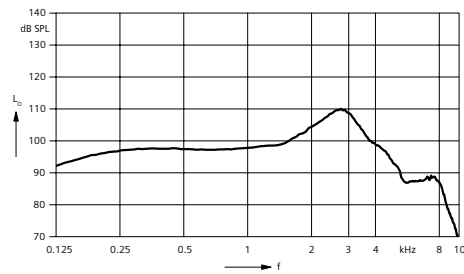
# Orion RIC · Basic Data (continued)

## Closed Dome – 2cc coupler P-Receiver



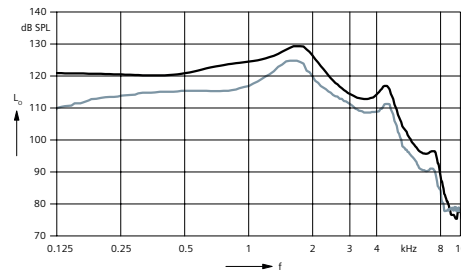
Output Sound Pressure Level  
(Li = 90 dB)  
ANSI S3.22-2009

Full on Gain  
(Li = 50 dB)  
ANSI S3.22-2009



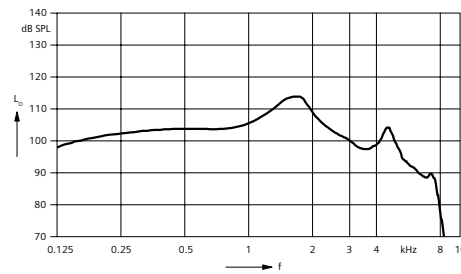
Frequency Response  
(Li = 60 dB)  
ANSI S3.22-2009

## Custom Shell – 2cc coupler HP-Receiver



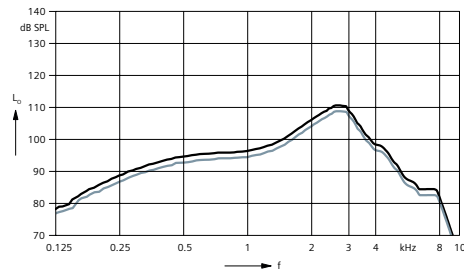
Output Sound Pressure Level  
(Li = 90 dB)  
ANSI S3.22-2009

Full on Gain  
(Li = 50 dB)  
ANSI S3.22-2009



Frequency Response  
(Li = 60 dB)  
ANSI S3.22-2009

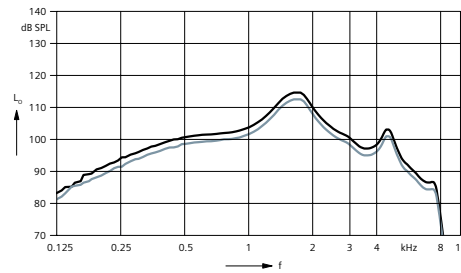
## Inductive response



SPLITS curve left  
(H = 31.6 mA/m)  
ANSI S3.22-2009

SPLITS curve right  
(H = 31.6 mA/m)  
ANSI S3.22-2009

## Inductive response



SPLITS curve left  
(H = 31.6 mA/m)  
ANSI S3.22-2009

SPLITS curve right  
(H = 31.6 mA/m)  
ANSI S3.22-2009

 **WARNING**

Choking hazard posed by small parts.

- ▶ This instrument is not intended for the fitting of infants, small children and persons of mental incapacity

 **WARNING**

Instrument has an output sound pressure level of 132 dB SPL or more.

Risk of impairing the residual hearing of the user.

- ▶ Take special care when fitting this instrument.

The information in this document contains general descriptions of the technical options available, which do not always have to be present in individual cases and are subject to change without prior notice. The required features should therefore be specified in each individual case at the time of conclusion of the respective contract.

Hearing instruments help many people hear better, but no hearing instrument can solve every hearing problem nor restore normal hearing.

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BTE and RIC Hearing Instruments made in Singapore.

**Manufactured by**

Sivantos, Inc.

10 Constitution Ave.

Piscataway, NJ 08854

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