# BiCore C R-Li BiCore C R-Li DEMO

**DATA SHEET** 



Made for **≰**iPhone | iPad | iPod

#### S-Receiver

- 46 dB / 110 dB SPL (2 ccm coupler)
- 56 dB / 120 dB SPL (ear simulator)

#### **M-Receiver**

- 60 dB / 119 dB SPL (2 ccm coupler)
- 70 dB / 129 dB SPL (ear simulator)

#### P-Receiver

- 65 dB / 122 dB SPL (2 ccm coupler)
- 75 dB / 131 dB SPL (ear simulator)

#### **HP-Receiver**

- 75 dB / 131 dB SPL (2 ccm coupler)
- 83 dB / 138 dB SPL (ear simulator)



# **BiCore C R-Li · Technical Data**

Туре	S-Receiver		M-Receiver		
	2 ccm coupler	Ear simulator	2 ccm coupler	Ear simulator	
Output sound pressure level					
OSPL 90 at 1.6 kHz	_	110 dB SPL	_	123 dB SPL	
OSPL 90 (Peak)	110 dB SPL	120 dB SPL	119 dB SPL	129 dB SPL	
HFA-OSPL 90	102 dB SPL	_	115 dB SPL	_	
Gain					
FOG at 1.6 kHz	_	44 dB	_	58 dB	
FOG (peak)	46 dB	56 dB	60 dB	70 dB	
HFA-FOG	38 dB	_	51 dB	_	
Reference test gain	25 dB	35 dB	38 dB	48 dB	
Frequency, noise and directivity					
Frequency range	100 – 10000 Hz	100 – 10000 Hz	100 – 9500 Hz	100 – 10000 H	
Equivalent input noise	16 dB SPL	19 dB SPL	16 dB SPL	19 dB SPL	
Total harmonic distortion at 500 / 800 / 1600 / 3200 Hz	1/1/1/1%	1/1/2/-%	1/1/1/1%	2/2/3/-%	
Tinnitus Function broadband	65 dB SPL	_	70 dB SPL	_	
AI-DI	4.0 dB		4.0 dB		
Inductive coil sensitivity					
MASL (1 mA/m) at 1.6 kHz	_	_	_	_	
HFA MASL (1 mA/m)	_	_	_	_	
HFA SPLITS (left/right)	_	_	_	_	
RSETS (left/right)	_	_	_	_	
HFA SPLIV	_	_	_	_	
Battery					
Battery runtime (without streaming)	up to	up to 28 h		up to 28 h	
Battery runtime (incl. 5 h streaming)	up to 24 h		up to 24 h		
<b>Cellphone Compatibility</b>					
Microphone mode	0.65 – 0.96 GHz 1.4 – 2.7 GHz		0.65 – 0.96 GHz 1.4 – 2.7 GHz		
Telecoil mode	_		_		

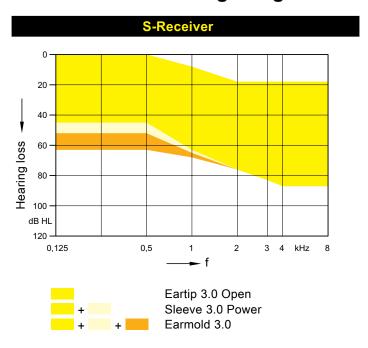
Please find additional information to the values on page "Further information".

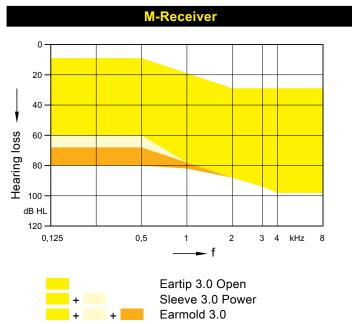
# **BiCore C R-Li · Technical Data**

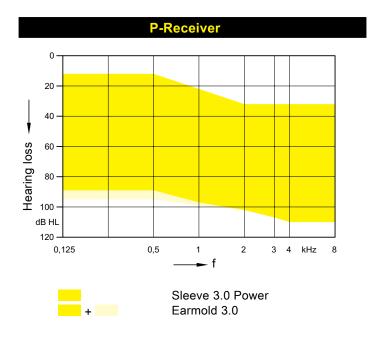
Туре	P-Receiver		HP-Receiver		
	2 ccm coupler	Ear simulator	2 ccm coupler	Ear simulator	
Output sound pressure level					
OSPL 90 at 1.6 kHz	_	129 dB SPL	_	136 dB SPL	
OSPL 90 (Peak)	122 dB SPL	131 dB SPL	131 dB SPL	138 dB SPL	
HFA-OSPL 90	120 dB SPL	_	124 dB SPL	_	
Gain					
FOG at 1.6 kHz	_	69 dB	_	82 dB	
FOG (peak)	65 dB	75 dB	75 dB	83 dB	
HFA-FOG	61 dB	_	69 dB	-	
Reference test gain	43 dB	54 dB	47 dB	61 dB	
Frequency, noise and directivity					
Frequency range	100 – 7400 Hz	100 – 8000 Hz	100 – 7700 Hz	200 – 7500 Hz	
Equivalent input noise	14 dB SPL	16 dB SPL	15 dB SPL	8 dB SPL	
Total harmonic distortion at 500 / 800 / 1600 / 3200 Hz	1/2/1/1%	2/3/3/-%	1/2/1/1%	2/3/2/-%	
Tinnitus Function broadband	75 dB SPL	_	85 dB SPL	_	
AI-DI	4.0	4.0 dB		4.0 dB	
Inductive coil sensitivity					
MASL (1 mA/m) at 1.6 kHz	_	_	_	_	
HFA MASL (1 mA/m)	_	_	_	_	
HFA SPLITS (left/right)	_	_	_	_	
RSETS (left/right)	_	-	_	-	
HFA SPLIV	_	_	_	_	
Battery					
Battery runtime (without streaming)	up to	up to 28 h		up to 28 h	
Battery runtime (incl. 5 h streaming)	up to 24 h		up to 24 h		
<b>Cellphone Compatibility</b>					
Microphone mode	0.65 – 0.96 GHz 1.4 – 2.7 GHz		0.65 – 0.96 GHz 1.4 – 2.7 GHz		
Telecoil mode	_		-		

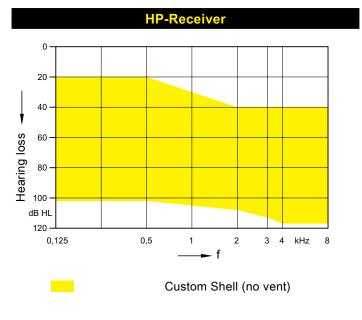
Please find additional information to the values on page "Further information".

# **BiCore C R-Li · Fitting Range**

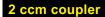


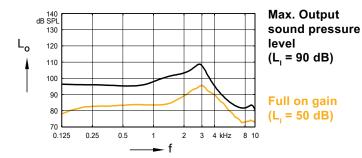




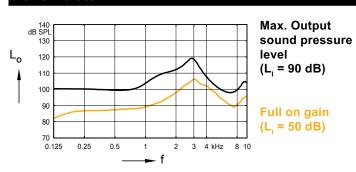


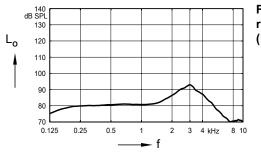
# S-Receiver (Sleeve 3.0 Power) · Basic Data



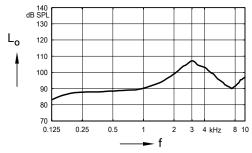


## Ear simulator





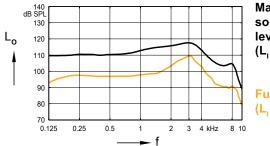
Frequency response  $(L_i = 60 dB)$ 



**Basic acoustic** response  $(L_{i} = 60 \text{ dB})$ 

# M-Receiver (Sleeve 3.0 Power) · Basic Data

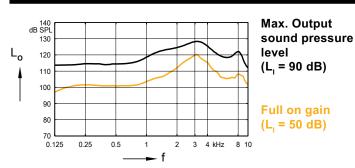


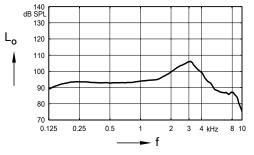


Max. Output sound pressure level  $(L_1 = 90 dB)$ 

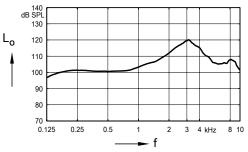
Full on gain  $(L_1 = 50 \text{ dB})$ 

## Ear simulator





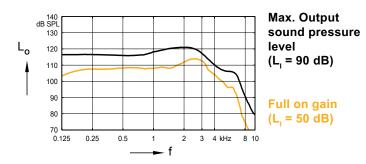
Frequency response  $(L_i = 60 dB)$ 



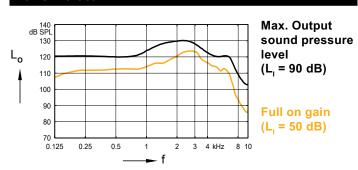
**Basic acoustic** response  $(L_1 = 60 \text{ dB})$ 

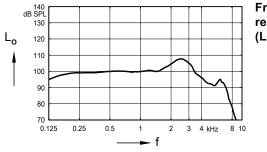
# P-Receiver (Earmold 3.0) · Basic Data

## 2 ccm coupler

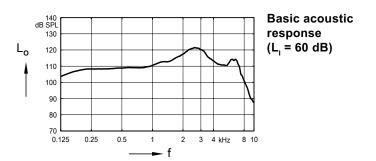


## Ear simulator

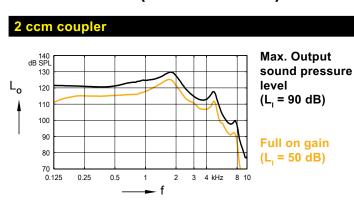


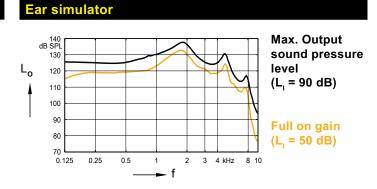


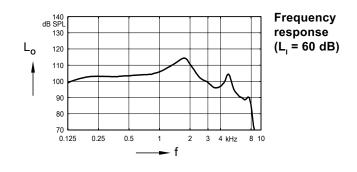


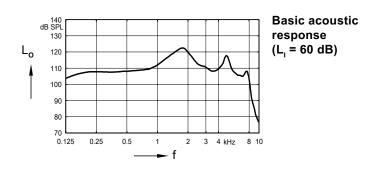


# **HP-Receiver (Custom Shell) · Basic Data**









# **BiCore C R-Li · Features and Accessories**

Features	UP and			
Ingress Protection Rating	IP68			
Channels / Controls / Programs	48 / 20 / 6			
Soundpro 2.0	High Res			
My Voice (own voice processing)	•			
(own voice processing)	Made for iPhone /			
Direct Streaming	Android version 10 or higher (ASHA)			
	via TV Transmitter & Smart Mic			
Auto Volume	•			
Wireless Sync	•			
D: II	Automatic Adaptive,			
	iOmni,			
Directionality	Front & Back, Left & Right,			
	Narrow			
Noise Reduction	Noise Management,			
	SoundSmoothing,			
	Directional			
Wind Noise Reduction	Standard			
Devert De deser	Binaural			
Reverb Reducer				
Bandwidth: Extension / Compression	● / ●			
Music Enhancer				
(Live / Recorded / Playing)	•			
Tinnitus Function	Sound Therapy,			
	Notch Therapy			
XPhone	•			
Acclimatization / Data Logging	<b>● / ●</b>			
T-Coil	<del></del>			
Small earhook				
Accessories				
Smart Key	0			
Smart Transmitter 2,4	0			
Smart Mic	0			
Rexton APP	0			
Travel Charger RIC /				
Charging Station R /	Mandatory			
Charging+ Station R				
	available — not available O optional			

■ available — not available O optional

## BiCore C R-Li · Further information

#### **Abbreviations**

The following abbreviations are used in this datasheet:

SPL Sound Pressure Level

**OSPL** Output Sound Pressure Level **HFA** High Frequency Average

**FOG** Full-On Gain

Magneto Acoustical Sensitivity Level MASL

**SPLITS** Coupler SPL for an Inductive Telephone Simulator

Relative Equivalent Telephone Sensitivity RSETS

**SPLIV** SPL In a Vertical magnetic field AI-DI Articulation Index - Directivity Index IRIL Input Related Interference Level RTF Reference Test Frequency ASHA Audio streaming for hearing aids

#### Standards and additional information

- ▶ All measurements with the 2 ccm coupler were performed according to ANSI S3.22-2014 and IEC 60118-0:2015 if applicable.
- ▶ All measurements with an ear simulator were performed according to IEC 118-0/A1:1994 and to DIN 45605 (frequency range) if applicable.
- ▶ All Cellphone Compatibility measurements were performed according to IEC 60118-13:2019, EN IEC 60118-13:2020 and ANSI C63.19-2019.
- ▶ Cellphone Compatibility definition: It is expected that the hearing aid user can effectively use a compliant wireless device held in a talking position at the ear. Maximum achievable Cellphone Compatibility range: 0.65 - 0.96 GHz and 1.4 - 2.7 GHz.
- ▶ Curves and figures representing FOG are measured with 20 dB reduction and 70 dB SPL input level.
- ▶ Figures representing Equivalent Input Noise incorporate a moderate expansion.
- ▶ Tinnitus noiser measurement conditions: all tinnitus single frequency sliders in max position, master volume slider in default position (0 dB) and local volume control in default position.
- ▶ Inductive coil sensitivity values, inductive response curves and T ratings apply for instruments with telecoil only.
- ▶ The current consumption is measured in reference test setting (RTS) according to the applicable standards. Due to the settling behaviour of hearing aids supporting RF (radio frequency), the battery current is measured 3 minutes after turning on (note: no pairing).
- ▶ The battery runtime is based on first fit settings using 60 % of the fitting range and an ISTS (International Speech Test Signal) input signal at 65 dB SPL (note: pairing established). The actual battery runtime is determined by battery quality, hearing loss, sound environment, usage and activated feature set. Regarding RF usage (Bluetooth streaming) two different conditions are considered.
- ▶ The following acoustic connections / ear pieces were used:
  - S-Receiver Unit and M-Receiver Unit: Sleeve 3.0 Power

- P-Receiver Unit: Earmold 3.0 - HP-Receiver Unit: Custom Shell

## Special note for instruments with built-in lithium-ion rechargeable battery

▶ The runtime of all lithium-ion rechargeable batteries reduces over time. The estimates are based on fresh lithium-ion rechargeable battery capacity. Under normal operating conditions, the battery will retain up to 80 % of its initial capacity after 2 years of use. Please note that battery performance will vary depending on individual usage patterns and environmental conditions.

**≰**iPhone | iPad | iPod

"Made for iPod", "Made for iPhone", and "Made for iPad" mean that an electronic accessory has been designed to connect specifically to iPod, iPhone, or iPad, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod, iPhone, or iPad may affect wireless performance.

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.

## Legal Manufacturer

WSAUD A/S Nymøllevej 6 3540 Lynge Denmark



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Subject to change without prior notice



## **WARNING**

Choking hazard posed by small parts.

▶ This instrument is not intended for the fitting of infants, children under 3 years or persons of mental incapacity.



## **MARNING**

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.