



Pure C&G MaX

Data Sheet

MaX 7

MaX 5

MaX 3

MaX 2

MaX 1

MaX
sDemo D



S-Receiver

- 44 dB / 111 dB SPL (2 ccm coupler)
- 56 dB / 121 dB SPL (Ear simulator)

M-Receiver

- 59 dB / 119 dB SPL (2 ccm coupler)
- 71 dB / 130 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 / 139 dB SPL (Ear simulator)

Data sheet also applicable for Pure C&G MaX sDemo D

Pure C&G MaX | Technical Data

Type	S-Receiver		M-Receiver	
	2 ccm coupler	Ear simulator	2 ccm coupler	Ear simulator
Output sound pressure level				
Maximum OSPL90	111 dB SPL	121 dB SPL	119 dB SPL	130 dB SPL
HFA OSPL90	102 dB SPL	110 dB SPL	115 dB SPL	123 dB SPL
Full-on gain				
Maximum FOG	44 dB	56 dB	59 dB	71 dB
HFA FOG	37 dB	46 dB	53 dB	62 dB
Reference Test Gain				
HFA RTG	25 dB	34 dB	38 dB	47 dB
Frequency, noise and directivity				
Frequency range	MaX 7	100 – 10000 Hz	100 – 9100 Hz	100 – 10000 Hz
	MaX 5	100 – 8800 Hz	100 – 8800 Hz	100 – 8800 Hz
	MaX 3, MaX 2, MaX 1	100 – 8500 Hz	100 – 8500 Hz	100 – 8500 Hz
Equivalent input noise	20 dB SPL	22 dB SPL	19 dB SPL	21 dB SPL
Total harmonic distortion at 500 / 800 / 1600 / 3200 Hz	1 / 2 / 1 / 1 %	2 / 3 / 1 / 2 %	1 / 1 / 1 / 1 %	3 / 4 / 2 / 2 %
Tinnitus noiser broadband	63 dB SPL	—	69 dB SPL	—
Latency	< 15 ms		< 15 ms	
Inductive coil sensitivity				
Full-on HFA-SPLIV (10 mA/m)	87 dB SPL	95 dB SPL	104 dB SPL	112 dB SPL
HFA SPLIV	86 dB SPL	94 dB SPL	98 dB SPL	106 dB SPL
HFA SPLITS (left/right)	84 / 85 dB SPL	—	97 / 97 dB SPL	—
RSETS (left/right)	-1 / 0 dB	—	-1 / -1 dB	—
Battery				
Battery runtime (without streaming)	up to 30 h		up to 30 h	
Battery runtime (Bluetooth Classic, incl. 5 h streaming)	up to 22 h		up to 22 h	
Battery runtime (LE Audio, incl. 5 h streaming)	up to 28 h		up to 28 h	

— not applicable

Refer to section “Further information” for additional information on the values.

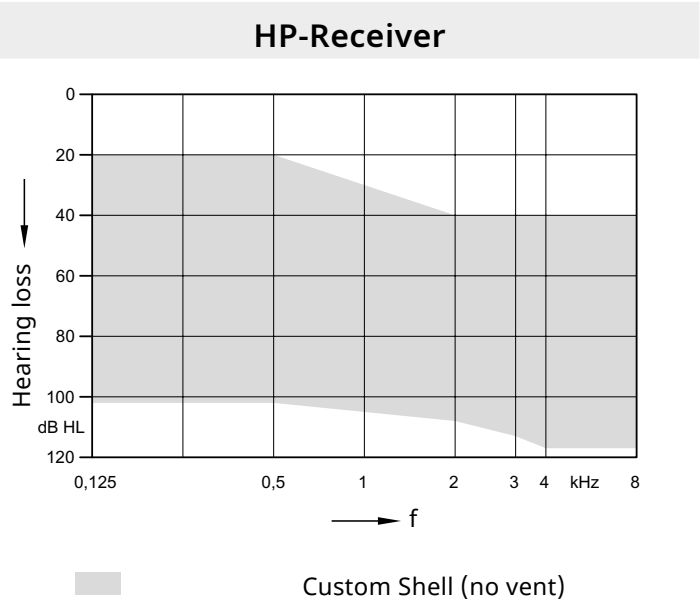
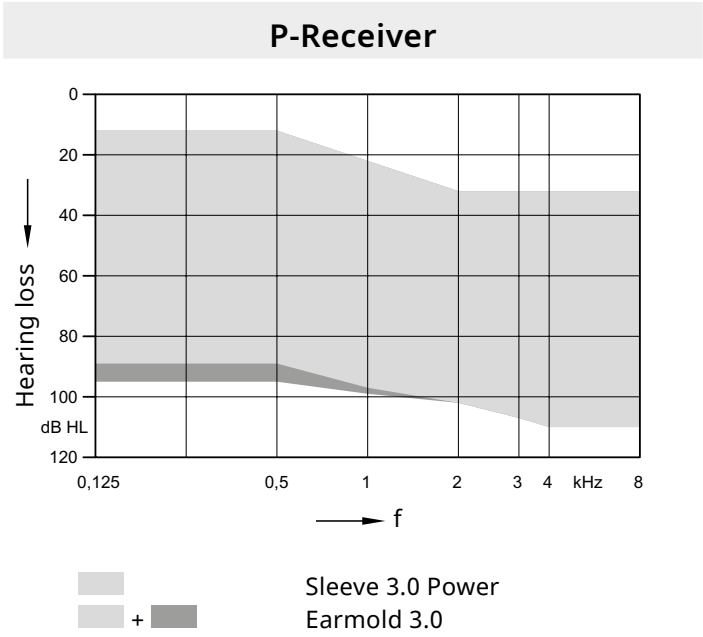
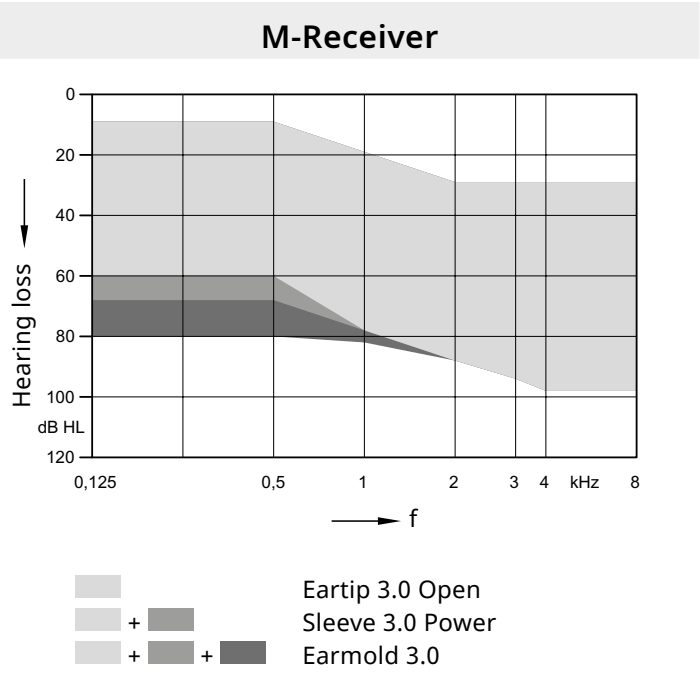
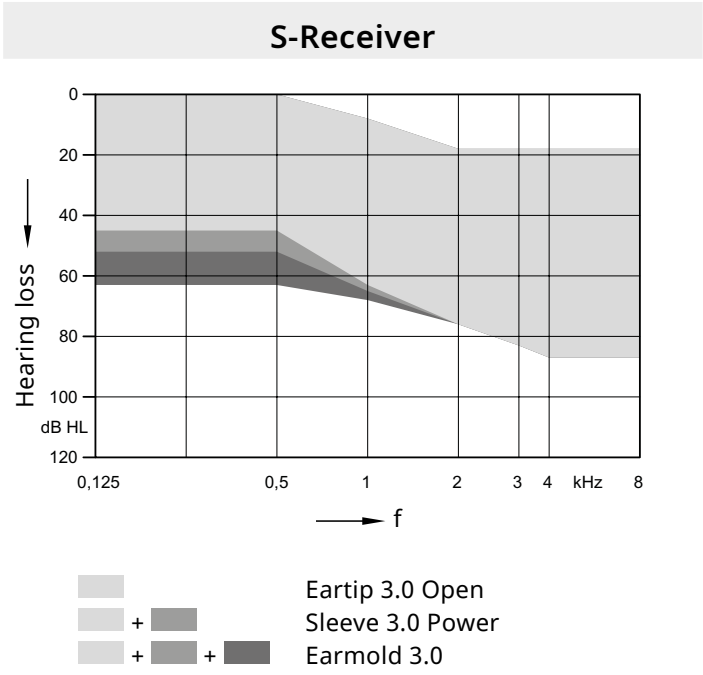
Pure C&G MaX | Technical Data

Type	P-Receiver		HP-Receiver	
	2 ccm coupler	Ear simulator	2 ccm coupler	Ear simulator
Output sound pressure level				
Maximum OSPL90	122 dB SPL	131 dB SPL	131 dB SPL	139 dB SPL
HFA OSPL90	119 dB SPL	127 dB SPL	124 dB SPL	132 dB SPL
Full-on gain				
Maximum FOG	65 dB	75 dB	75 dB	83 dB
HFA FOG	60 dB	68 dB	68 dB	76 dB
Reference Test Gain				
HFA RTG	42 dB	50 dB	47 dB	55 dB
Frequency, noise and directivity				
Frequency range	MaX 7	100 – 7500 Hz	100 – 8500 Hz	100 – 7300 Hz
	MaX 5	100 – 7500 Hz	100 – 8500 Hz	100 – 7300 Hz
	MaX 3, MaX 2, MaX 1	100 – 7500 Hz	100 – 8500 Hz	100 – 7300 Hz
Equivalent input noise	18 dB SPL	18 dB SPL	20 dB SPL	20 dB SPL
Total harmonic distortion at 500 / 800 / 1600 / 3200 Hz	1 / 2 / 1 / 1 %	1 / 2 / 1 / 1 %	1 / 2 / 1 / 1 %	1 / 2 / 1 / 1 %
Tinnitus noiser broadband	74 dB SPL	—	83 dB SPL	—
Latency	< 15 ms		< 15 ms	
Inductive coil sensitivity				
Full-on HFA-SPLIV (10 mA/m)	105 dB SPL	113 dB SPL	112 dB SPL	121 dB SPL
HFA SPLIV	102 dB SPL	110 dB SPL	107 dB SPL	115 dB SPL
HFA SPLITS (left/right)	101 / 101 dB SPL	—	106 / 106 dB SPL	—
RSETS (left/right)	-1 / -1 dB	—	-1 / -1 dB	—
Battery				
Battery runtime (without streaming)	up to 30 h		up to 30 h	
Battery runtime (Bluetooth Classic, incl. 5 h streaming)	up to 22 h		up to 22 h	
Battery runtime (LE Audio, incl. 5 h streaming)	up to 28 h		up to 28 h	

— not applicable

Refer to section “Further information” for additional information on the values.

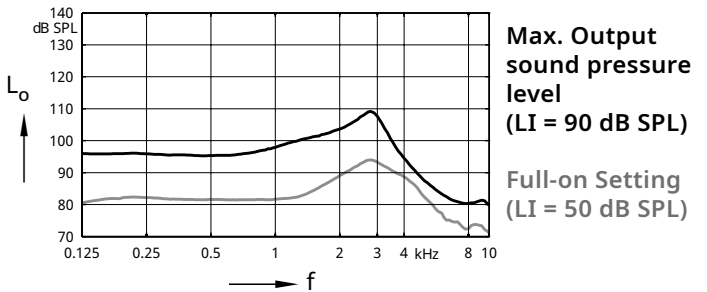
Pure C&G MaX | Fitting Range



S-Receiver (Sleeve 3.0 Power) | Basic Data

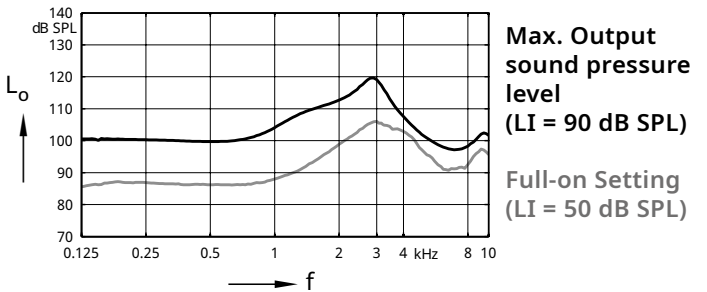
2 ccm coupler

Frequency Response

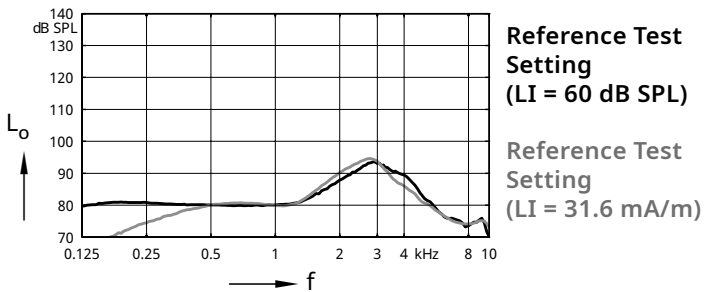


Ear simulator

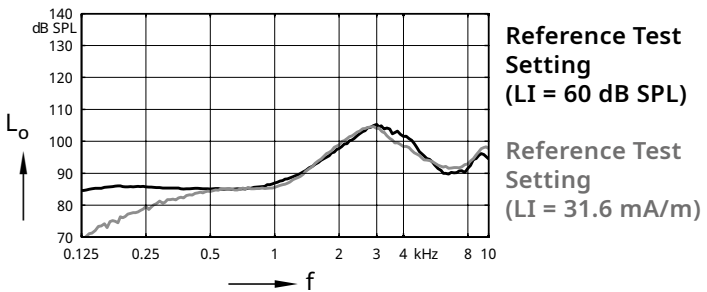
Frequency Response



Basic Frequency Response



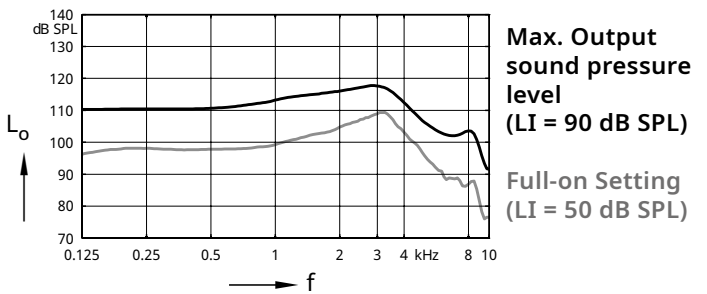
Basic Frequency Response



M-Receiver (Sleeve 3.0 Power)

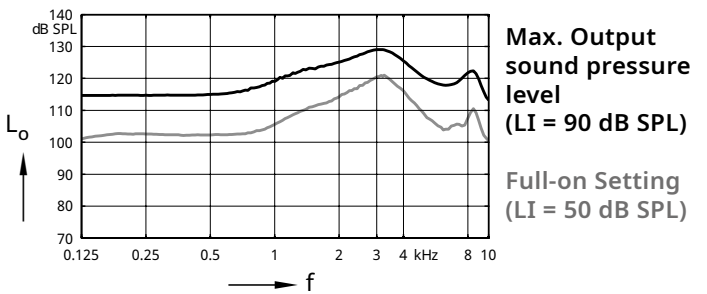
2 ccm coupler

Frequency Response

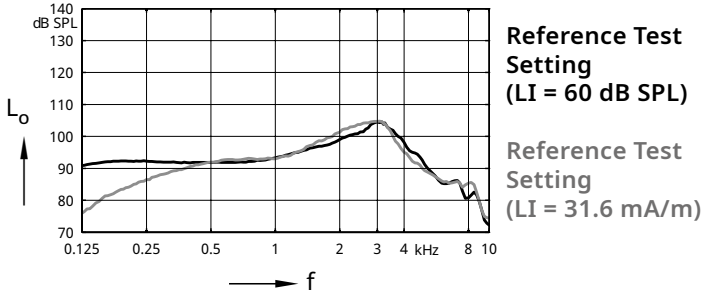


Ear simulator

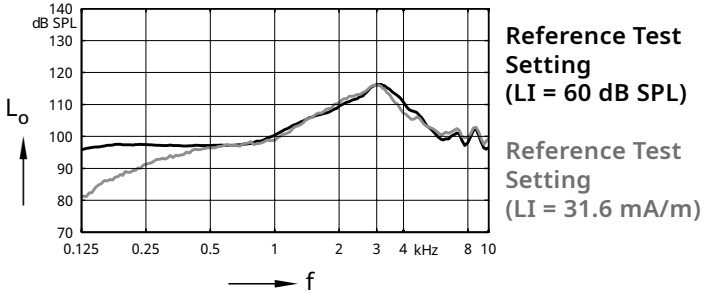
Frequency Response



Basic Frequency Response



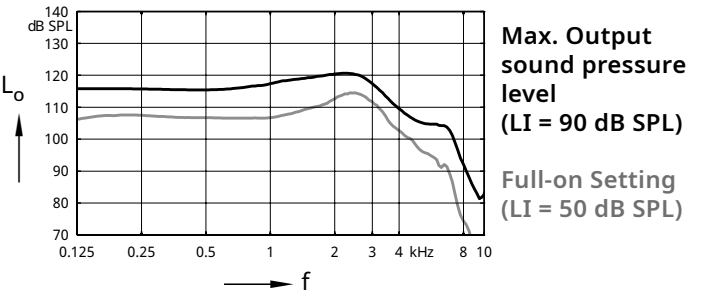
Basic Frequency Response



P-Receiver (Earmold 3.0) | Basic Data

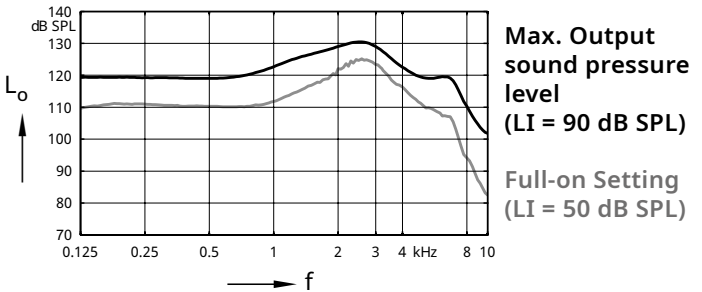
2 ccm coupler

Frequency Response

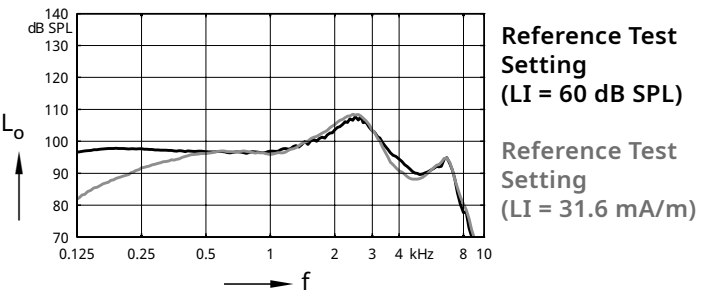


Ear simulator

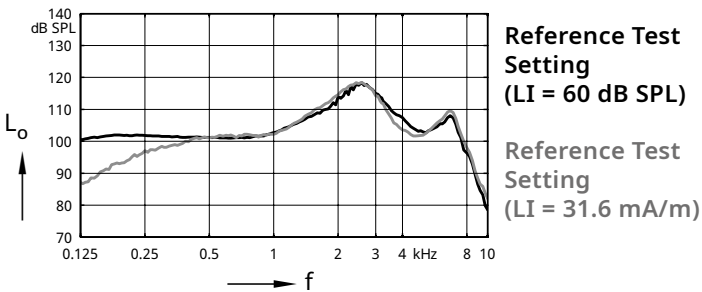
Frequency Response



Basic Frequency Response



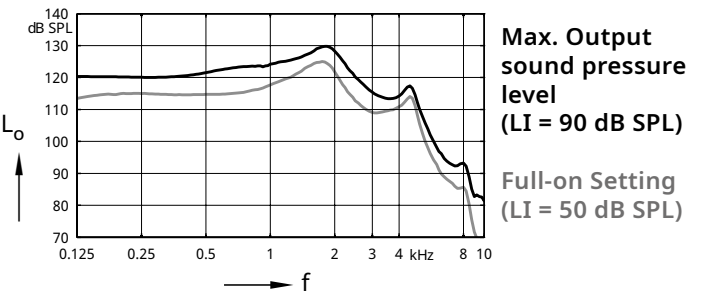
Basic Frequency Response



HP-Receiver (Custom Shell)

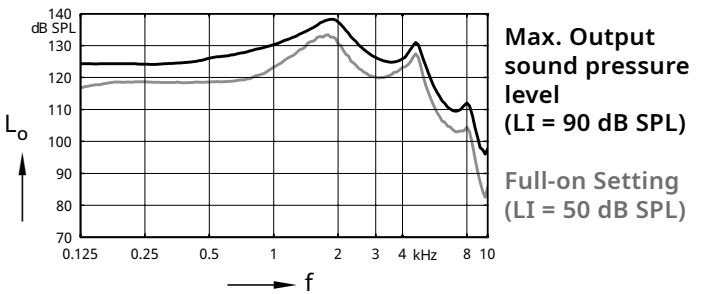
2 ccm coupler

Frequency Response

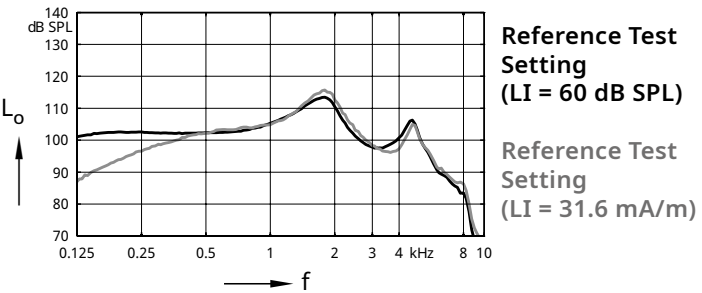


Ear simulator

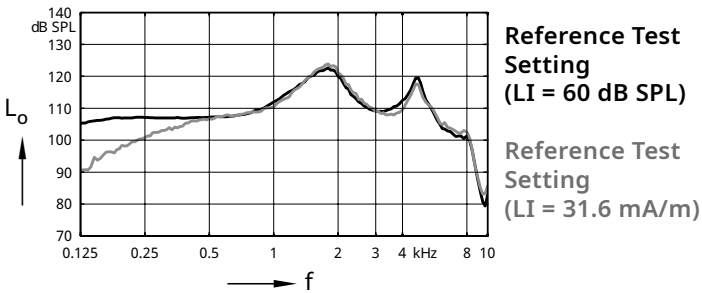
Frequency Response



Basic Frequency Response



Basic Frequency Response



Pure C&G MaX | Further information

Abbreviations

The following abbreviations are used in this data sheet:

SPL	Sound Pressure Level
OSPL	Output Sound Pressure Level
HFA	High Frequency Average
FOG	Full-On Gain
SPLITS	Coupler SPL for an Inductive Telephone Simulator
RSETS	Relative Simulated Equivalent Telephone Sensitivity
SPLIV	SPL In a Vertical magnetic field

Standards and additional information

- All measurements with the 2 ccm coupler were performed according to EN IEC 60118-0:2024 and ANSI S3.22:2024 if applicable.
- All measurements with an ear simulator were performed according to EN IEC 60118-0:2024.
- 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 hearing aids 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 Radio Frequency (RF), 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 International Speech Test Signal (ISTS) 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 audio streaming from phone to hearing aid and from hearing aid to phone are considered.
- Extended bandwidth up to 12 kHz for MaX 7 devices only.
- 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 hearing aids 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 5 years of use. Please note that battery performance will vary depending on individual usage patterns and environmental conditions.

