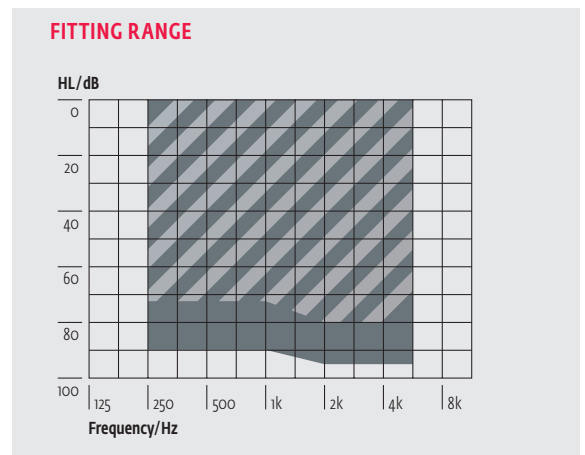
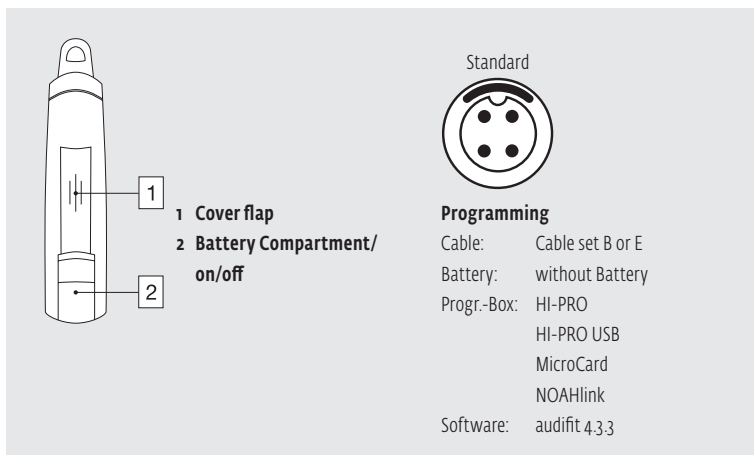


- Sound Dynamix
- Adaptive Directional Microphone (ADM)
- Adaptive Feedback Cancellation (AFC)
- Notch Filter (manual)
- Adaptive Noise Reduction (ANR)
- Expansion (Squelch)
- Auto Phone
- Number of Programs: 2 (automatic + Auto Phone)
- Program Switch Tones
- Crossfader
- WDR-Channels: 8
- Channels: 16
- Adjustable Crossover Frequencies
- Low Battery Indicator (adjustable)
- Accessories: receiver unit B, Domes, Concha Clips, Microphone Filter, Wax Guard System
- Options: Power Sleeve

Technical Data	EN 60118-7: 2005 (2 ccm-coupler)	EN 60118-0: 1994 (Ear Simulator)	ANSI S3.22-2003 (2 ccm-coupler)
Operating Voltage	1.30 V	1.30 V	1.30 V
Acoustic Gain (50 dB SPL)			
HFA	43 dB [49 dB]	-	43 dB [49 dB]
1600 Hz	-	51 dB [56 dB]	-
Peak Value	50 dB [56 dB]	60 dB [66 dB]	50 dB [56 dB]
Output (90 dB SPL)			
HFA	105 dB SPL [105 dB SPL]	-	105 dB SPL [105 dB SPL]
1600 Hz	-	112 dB SPL [112 dB SPL]	-
Peak Value	110 dB SPL [110 dB SPL]	120 dB SPL [121 dB SPL]	110 dB SPL [110 dB SPL]
Max. Output (110 dB SPL)			
HFA	105 dB SPL [105 dB]	-	105 dB SPL [105 dB SPL]
1600 Hz	-	112 dB SPL [112 dB SPL]	-
Peak Value	110 dB SPL [110 dB]	120 dB SPL [120 dB SPL]	110 dB SPL [110 dB SPL]
Reference Test Gain	28 dB [28 dB]	37 dB [37 dB]	28 dB [28 dB]
Frequency Range	200 Hz-7400 Hz [200 Hz-7200 Hz]	200 Hz-7200 Hz [200 Hz-7200 Hz]	200 Hz-7400 Hz [200 Hz-7200 Hz]
Total Harmonic Distortions			
500/800/1600 Hz	<2/2/1 % [<2/2/1 %]	1/1/1% [<1/1/1 %]	<2/2/1 % [<2/2/1 %]
Equivalent Input Noise ¹	<14 dB	<19 dB	<14 dB
Battery Current ²	<0.94 mA	<0.89 mA	<0.94 mA
Battery Type	312	312	312
Average Battery Life (Zinc-Air)	120 h	120 h	120 h

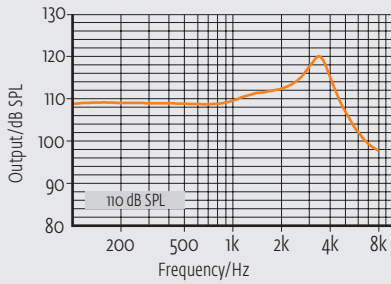
¹ Squelch = 40 dB ² Energy consumption increases by 0,2 mA when activating AFC. [] elia with Power Sleeve option



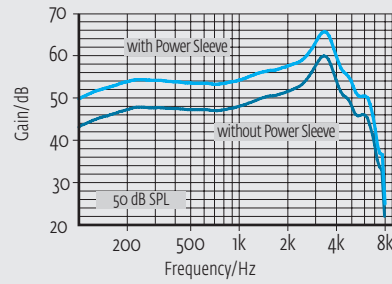
Note: elia requires receiver unit B.

These curves are measured with **Ear Simulator (EN 60318-4, fig. 4)**. All sound pressure levels are referred to 20 μ Pa.

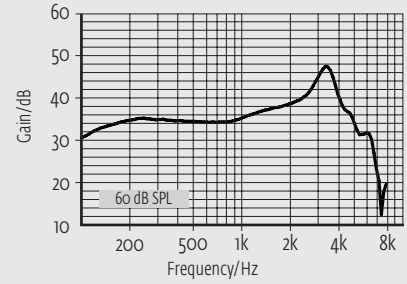
Maximum Output*



Acoustic Gain

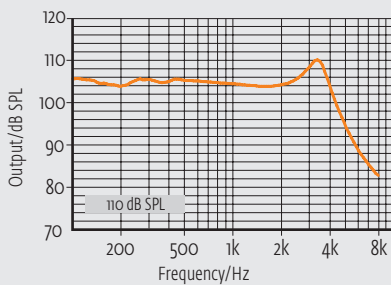


Frequency Response (RTG)*

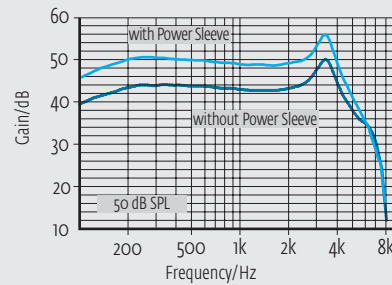


All curves are measured with **2ccm-coupler (EN 60318-5, fig. 1)**. All sound pressure levels are referred to 20 μ Pa.

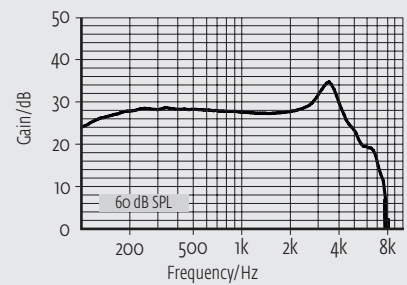
Maximum Output*



Acoustic Gain



Frequency Response (RTG)*



Ear Coupling



Various domes,
optional with concha clip



Power sleeve

* applies to the elia with and without Power Sleeve option.

On account of the complex signal processing, the measurements of the represented curves are only possible in default setting of the device and under use of the current valid software version. Effects of the separate parameters see software.