



- Sound Dynamix
- Adaptive Directional Microphone (ADM)
- Adaptive Feedback Cancellation (AFC²)
- Notch Filter (manual)
- Adaptive Noise Reduction (ANR)
- Expansion (Squelch)
- Auto Phone
- Data Logging
- Number of Programs: 2 (automatic + Auto Phone)
- Program Switch Tones (programmable)
- WDR-Channels: 8
- Channels: 16
- Low Battery Indicator (programmable)
- 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 [50 dB]	-	43 dB [50 dB]
1600 Hz	-	50 dB [56 dB]	-
Peak Value	50 dB [56 dB]	60 dB [66 dB]	50 dB [56 dB]
Max. Output (90 dB SPL)			
HFA	105 dB SPL	-	105 dB SPL
1600 Hz	-	111 dB SPL	-
Peak Value	110 dB SPL	120 dB SPL	110 dB SPL
Reference Test Gain	28 dB	36 dB	28 dB
Frequency Range	200 Hz-8000 Hz	200 Hz-8000 Hz	200 Hz-8000 Hz
Total Harmonic Distortions			
500/800/1600 Hz	<1/1/1 %	1/1/1%	<1/1/1 %
Equivalent Input Noise¹	<13 dB	<14 dB	<13 dB
Battery Current	<0.68 mA	<0.61 mA	<0.68 mA
Battery Type	312	312	312
Average Battery Life (Zinc-Air)	220 h	220 h	220 h

¹ Expansion (Squelch) = 26 dB SPL [] elia R with Power Sleeve option

Standard

Programming

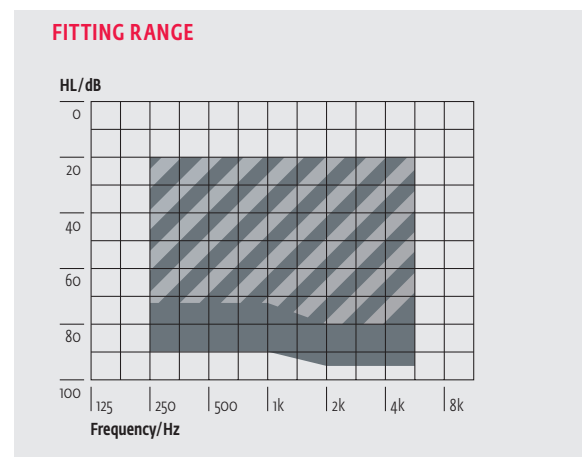
Cable: Cable set B or E

Battery: without Battery

Progr.-Box: HI-PRO
HI-PRO USB
MicroCard
NOAHlink

Software: audifit 4.5.0

Note: elia R requires receiver unit B.

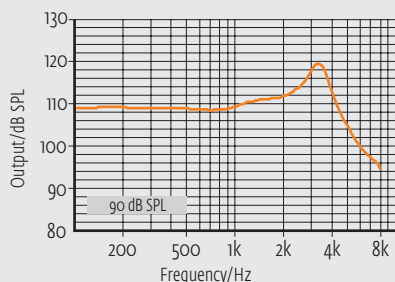


The dark area applies to the elia R with Power Sleeve option.

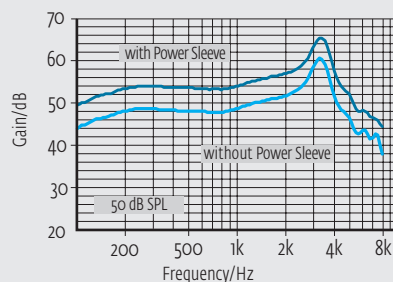


These curves are measured with **Ear Simulator (EN 60318-4, fig. 4)**. All sound pressure levels are referred to 20 µPa.

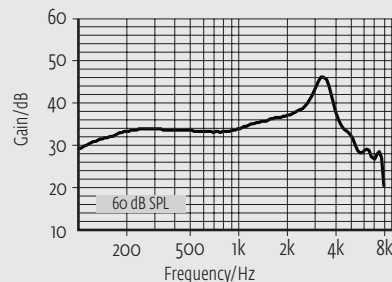
Maximum Output*



Acoustic Gain

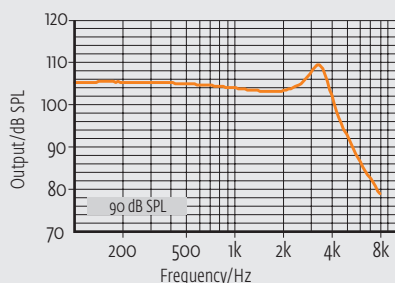


Frequency Response (RTG)*

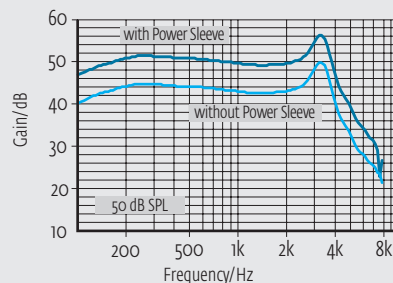


All curves are measured with **2ccm-coupler (EN 60318-5, fig. 1)**. All sound pressure levels are referred to 20 µPa.

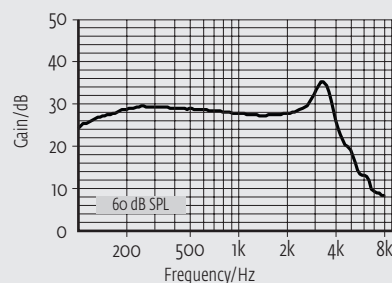
Maximum Output*



Acoustic Gain



Frequency Response (RTG)*



Ear Coupling



Various domes,
optional with concha clip



Power sleeve

* applies to the elia R 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.