loon+

- Number of programs: 4
- Program switch tones (programmable)
- Number of frequency channels: 4
- Equalizer: 12 bands
- Adaptive feedback cancellation (AFC+)
- Adaptive noise reduction (ANR)
- Low battery indicator
- Gain control (software)
- AGCi and AGCo
- Accesories: various thin tubes and domes

TECHNICAL DATA	EN 60118-7 (2 ccm-coupler)	EN 60118-0 (Ear Simulator)
Operating Voltage	1.30 V	1.30 V
Acoustic Gain (60 dB SPL)		
1600 Hz	28 dB	36 dB
Peak Value	40 dB	44 dB
Output (90 dB SPL)		
1600 Hz	105 dB SPL	114 dB SPL
Peak Value	119 dB SPL	124 dB SPL
Max. Output (110 dB SPL)		
1600 Hz	105 dB SPL	114 dB SPL
Peak Value	119 dB SPL	124 dB SPL
Reference Test Gain	20 dB	28 dB
Induction Coil Sensitivity		
1600 Hz (at 100 mA/m)	n/a	n/a
Frequency Range	150 Hz–6300 Hz	150 Hz–6200 Hz
Total Harmonic Distortions		
500/800/1600 Hz	<2/2/2 %	<2/2/2 %
Equivalent Input Noise [1]	<32 dB	<32 dB
Battery Current [3]	<0.75 mA (0.95 mA)	<0.75 mA (0.95 mA)
Type	loon+	loon+
Battery Type	10	10
Average Battery Life (Zinc-Air)	90 h	90 h

[1] Squelch = off [2] EIN = Ln- (Lhfa - 60 dB) [3] AFC off (on)

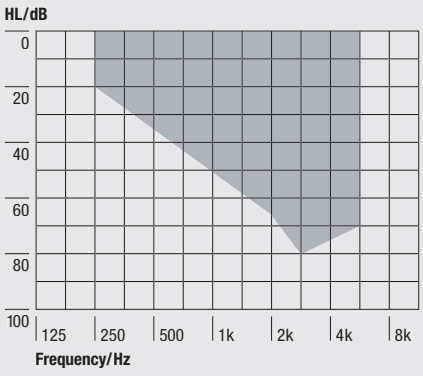
ANSI S3.22-1987, -1996	
Full-On Gain (60 dB SPL)	
HFA	32 dB
Max.	40 dB
Output (90 dB SPL)	
HFA	109 dB SPL
Max.	119 dB SPL
Max. Output (110 dB SPL)	
HFA	109 dB SPL
Output	119 dB SPL
Reference Test Gain	32 dB
Induction Coil Sensitivity	
1000 Hz (at 100 mA/m)	n/a
Frequency Range	150–6000 Hz
Total Harmonic Distortions	
500/800/1600 Hz	<2/2/2 %
Equivalent Input Noise [1,2]	<32 dB
Battery Current [3]	<0.75 mA (0.95 mA)
Power Source	1.30 V Type 10 (loon+)

The tolerance range of the above given nominal values are defined per ANSI S3.22-1987.

PROGRAMMING

Cable: 10 Batteryadapter “right”; Standard HIPRO
Battery: Without battery
Progr.-Box: HIPRO-Box
Software: audifit 4.0.3

FITTING RANGE



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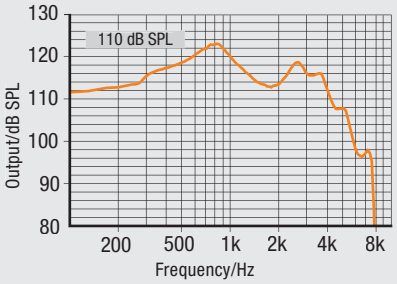
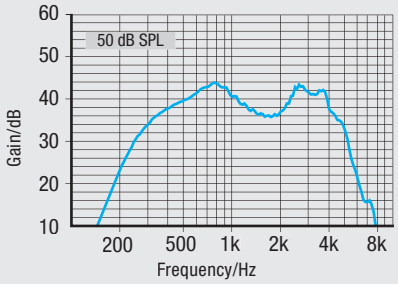
loon+

These curves are measured with **Ear Simulator (IEC 711)**. All sound pressure levels are referred to 20 µPa.

Maximum Output

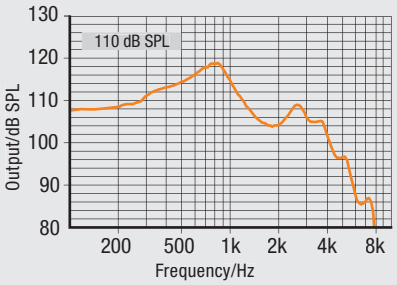


Acoustic Gain

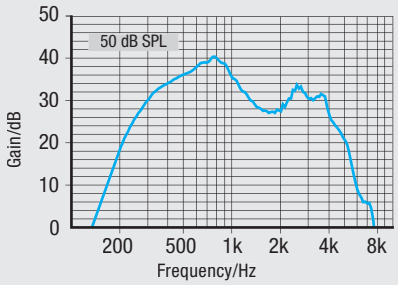


All curves are measured with **2ccm-coupler (IEC 126)**. All sound pressure are referred to 20 µPa.

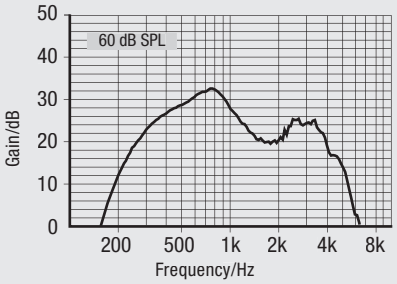
Maximum Output



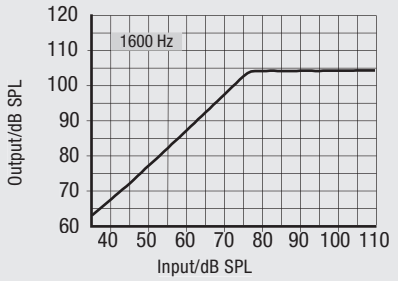
Acoustic Gain



Reference Test Gain (RTG)



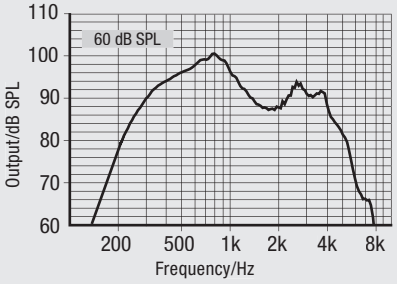
I/O Curve



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.

ANSI S3.22-1987,-1996

Frequency Response



I/O Characteristic