

Digital Highest Power Pocket Hearing System

Product Information

apollon is a digital highest power pocket hearing instrument useful for nearly each hearing loss. Standard configuration of apollon is as monaural system, but can be upgraded to a binaural system by using BHM-accessories. By using software BHMFit2 version 2.1 and higher, apollon can be programmed. Standard colour of apollon is anthracite.

Accessories

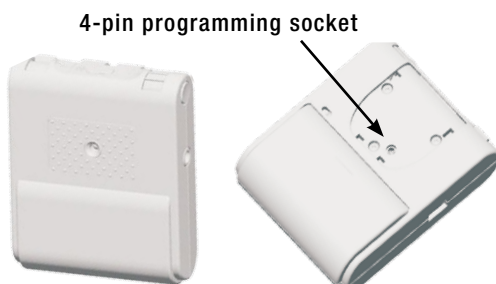
- External bone vibrator
- Stereo cable for binaural fitting

Features

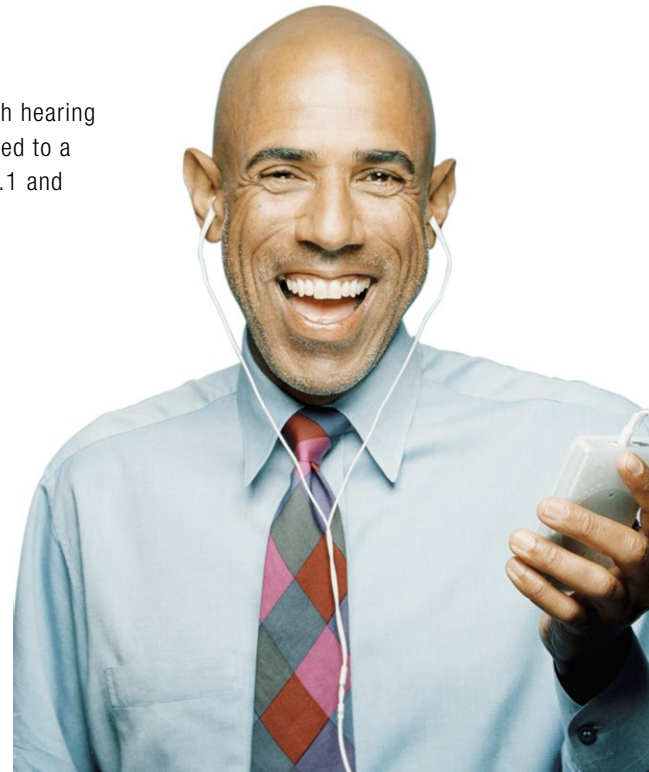
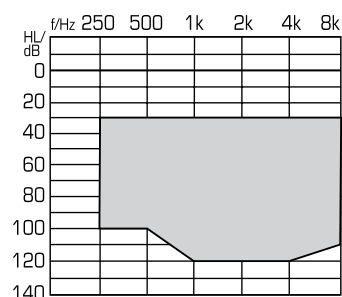
- AutoFit, NAL, BC Fit (Bone conduction)
- 4-Band audio-processor
- 2 Batteries size AA
- 4-position switch (O-T-MT-M)
- Volume control
- Optical and acoustical low battery warning
- DAI-Input
- Audio-Input (3,5 mm jack socket)

Additional features using the programming software BHMFit2- Version 2.1and higher with Hi-Pro Box and Programming cable CS44:

- High Cut
- Low Cut
- Notchfilter
- Noise reduction (On/Off, switchable over software)



Fitting range



Warning for Acoustician:

This device can reach sound pressure levels above 132 dB SPL! If used without attention, this can cause impairments of hearing

	EN 60118-0 Ear Simulator	EN 60118-7 2 ccm Coupler	
Total Harmonic Distortion	800 Hz 1600 Hz	8 % < 1 %	4 % < 1 %
Equivalent Input Noise		15.1 dB SPL	12.6 dB SPL
Operating Current		13.2 mA	10.4 mA
Typical Battery Life Time		190 hours	240 hours
Dimension in mm w/o Clip		60 length x 19 wide x 71 height	
Weight		31 grams w/o batteries 76,5 grams with batteries	
Current drain w/o signal		5,1mA +/- 10 % @ 3 V	
Impedance of audio inputs		> 20 k Ohm	
Sensitivity of DAI, Line-In:		- 54 dBV	

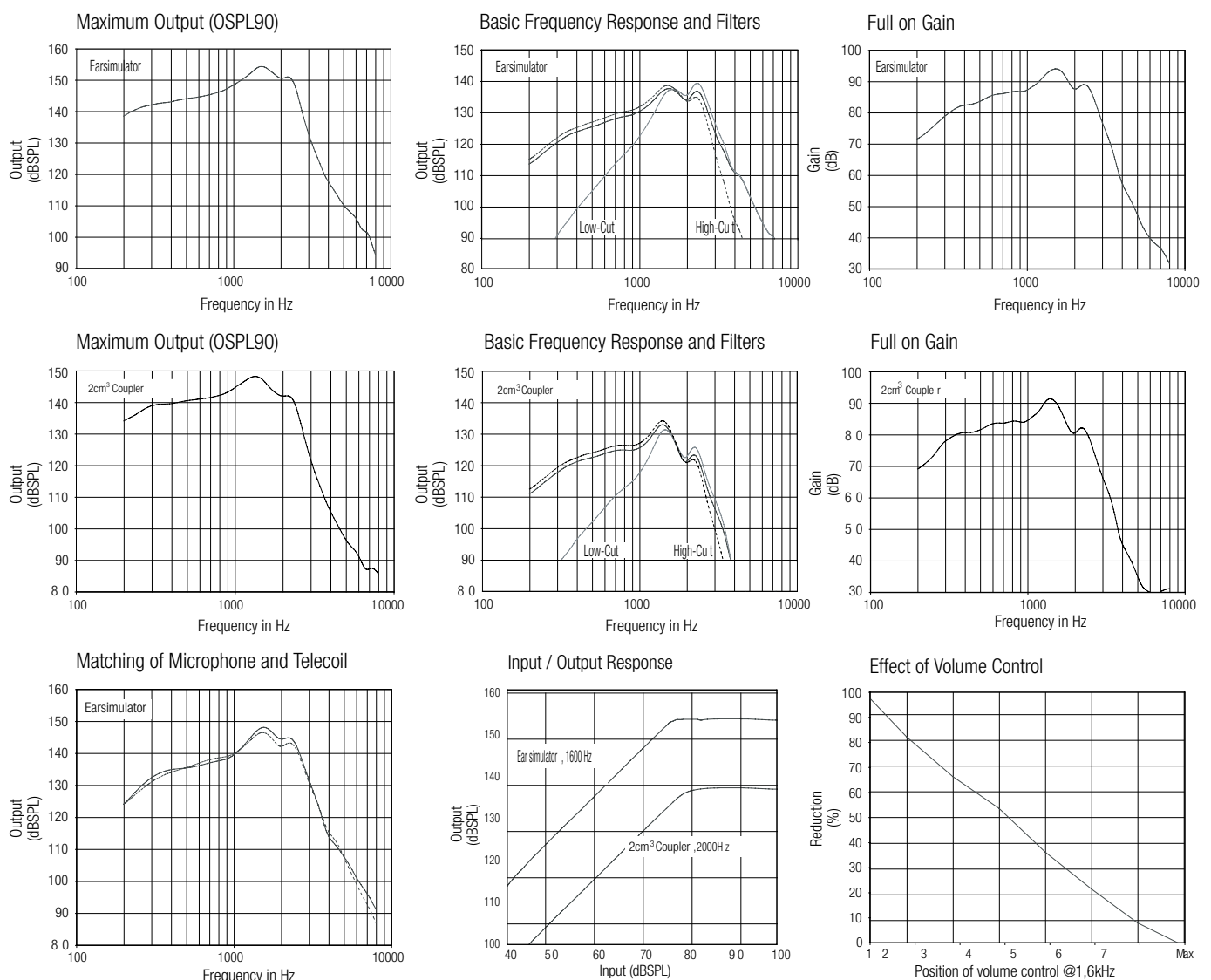


According to EU guidelines 93/42/EEC
Quality management system according
to DIN EN ISO 13485



Technical Data measured according to DIN EN 60118-0, DIN EN 60118-7

Tolerance of acoustical values +/- 4 dB. (earphone ME 51-66 monaural)	DIN EN 60118-0 Ear Simulator	DIN EN 60118-7 2 ccm Coupler	
Supply Voltage	3 V		
Telecoil Sensitivity (IEC 60118-1)	109 dB. typ.		
Frequency Range (DIN 45605)	330 – 3100 Hz	230 – 2600 Hz	
Reference Test Gain (60 dB SPL Input)	1600 Hz / HFA	77 dB	63 dB
Full-On Gain (50 dB SPL Input)	Max.	95 dB	92 dB
	1600 Hz / HFA	94 dB	83 dB
Maximum Output (90 dB SPL Input)	Max.	154 dB SPL	148 dB SPL
	1600 Hz / HFA	153 dB SPL	141 dB SPL



	Full on Gain settings*				Reference Test Gain settings (DIN EN 60118-0)*				Reference Test Gain settings (DIN EN 60118-7)*			
	Low	Mid1	Mid2	High	Low	Mid1	Mid2	High	Low	Mid1	Mid2	High
G[80]	26	24	18	8	26	24	18	8	26	24	18	8
G[50]	46	44	38	28	28	28	28	28	26	24	18	8

*Settings according software BHMfit2-Version 2.1 and higher