



1. Ergonomic ear-hook
2. Microphone
3. Programs push button
4. Programming connector
5. Volume control
6. Battery Door (Type 13)

DESCRIPTION

Behind-The-Ear air conduction hearing aid (BTE), Battery 13, programmable through fitting software, WDRC strategy.

INTENDED USE

The Microson Amplex BTE HP (Rev. B) hearing instrument is indicated to compensate moderate to severe hearing loss (mixed or neurosensorial). It is not suitable for children. See fitting range¹.

Features

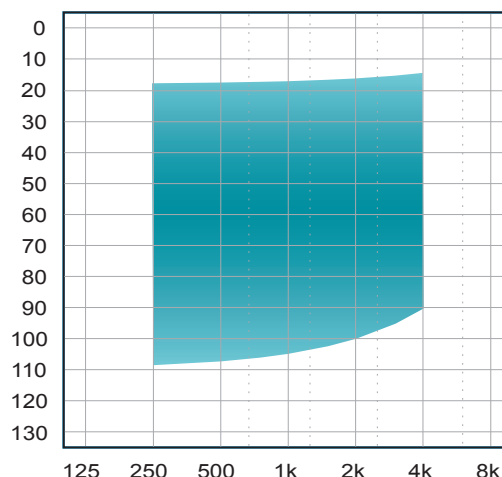
- ✓ Matrix 138/71 @ 2cc
- ✓ 100% Digital Technology
- ✓ Digitally programmable
- ✓ 12 Bands
- ✓ 6 Channels WDRC
- ✓ 6 Maximum Output Control Channels
- ✓ 3 Programs
- ✓ Automatic Feedback Canceller
- ✓ Noise Reduction
- ✓ Digital Volume Control
- ✓ Memory Change Indicator
- ✓ Telecoil
- ✓ Switch off Battery Door
- ✓ Low Battery Indicator
- ✓ Small size
- ✓ Suitable for cell phones*
- ✓ Battery 13 Type - PR48 (IEC 60086)
- ✓ Low battery current drain

Requirements

- 89600, Fitting Software Microson CODA e-STUDIO 6 (6.4.1 or higher)
- 53781, 4 Pin Hi-Pro Cable Right
- 53832, 4 Pin Hi-Pro Cable Left
- 79345, Battery 13 Flex Adapter
- 73194, HI-PRO^A USB Hearing Instrument Programmer (Firmware 3.00 or higher) or 88616, HI-PRO^{A2} Hearing Instrument Programmer (Firmware 4.00 or higher) or 66183, NOAHLINK^B Programming Interface (Kernel v. 1.55.03)

^{*}In Compliance with IEC 60118-13:2011

Fitting Range⁽¹⁾



Product Data

^AHI-PRO USB is a registered trademark of GN Otometrics A/S in Denmark.

^BNOAH & NOAHLINK are licensed products and registered trademarks of HIMSA A/S in Denmark.

	Acoustic Data	IEC 60118-7:2005	IEC 60118-0:1993/ A1:1994
OUTPUT	OSPL ¹ 90 Peak (dB _{SPL})	138	140
	OSPL90 Peak Frequency (Hz)	1000	1100
	HFA ² -OSPL90 / RTF ³ -OSPL90 (dB _{SPL})	131	136
GAIN	HFA-FOG ⁴ (dB)	64	70
	RTF-FOG (dB)	61	69
	FOG (dB)	71	74
	FOG Frequency (Hz)	1100	2300
	RTG ⁵ (dB)	55	61
NOISE	Equivalent Input Noise (dB _{SPL})	20	17
AGC ⁶	Attack Time (ms)	1	1
	Release Time (ms)	15	6
TELECOIL	HFA-SPLI ⁷ / RTF-SPLI (dB _{SPL})	111	119
	HFA-FOG-MASL ⁸ / RTF-FOG-MASL @ 1 mA/m (dB _{SPL})	91	98
	500 Hz @ 100 mA/m (THD %)	1,4	1,8
	800 Hz @ 100 mA/m (THD %)	1,6	N/A
	1600 Hz @ 100 mA/m (THD %)	2,6	4,9
DISTORTION	500 Hz @ 70 dB _{SPL} (THD %)	4,5	N/A
	800 Hz @ 70 dB _{SPL} (THD %)	0,8	1,9
	1600 Hz @ 65 / 70 dB _{SPL} (THD %)	0,8	1,1
CONSUMPTION	Current Drain (mA)	1,66	1,33
FREQUENCY LIMITS	f ₁ (Hz)	150	100*
	f ₂ (Hz)	5100	5600*
		IEC 60318-5:2006	IEC 60318-4:2010

¹OSPL: Output Sound Pressure Level

²HFA: High Frequency Average

³RTF: Reference Test Frequency (1600 Hz)

⁴FOG: Full On Gain

⁵RTG: Reference Test Gain

⁶AGC: Automatic Gain Control

⁷SPLI: Sound Pressure Level Inductive

⁸MASL: Magneto Acoustical Sensitivity Level

*According to DIN 45605 standard

Power Source: 1.3V Battery Simulator

Accessories & Spare Parts for Professionals

89600, Fitting Software Microson CODA e-STUDIO 6 (6.4.1 or higher)
 73194, HI-PRO Hearing Instrument Programmer (Firmware 3.00 or higher)
 88616, HI-PRO USB Hearing Instrument Programmer (Firmware 4.00 or higher)
 66183, NOAHLINK Programming Interface (Kernel v. 1.55.03)
 53781, Right Programming Cable
 53832, Left Programming Cable
 79345, Battery 13 Flex Adapter
 94349 Microson Ear-hook P13 M3 (5pcs)
 94583, 6 pack of Microson 13 M/Free hearing aid batteries (PR48)
 91118, Brush Cleaner
 83563, Amplex HP Label Lid (10 pcs)
 78418, Amplex Switch But (10 Pcs)
 88852, Microphone Windscreen (10 pcs)

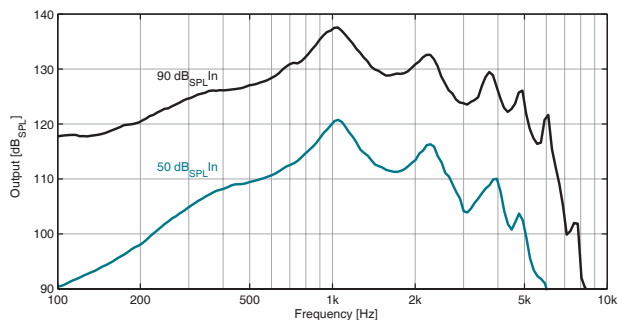
Accessories & Spare Parts for end user

91118, Brush Cleaner
 94583, 6 pack of Microson 13 M/Free hearing aid batteries (PR48)
 88192, Microson Microbox case
 87349, User Manual Amplex BTE (ES/EN/PT/TR)

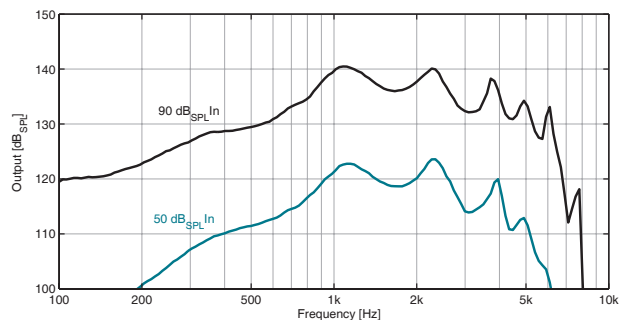
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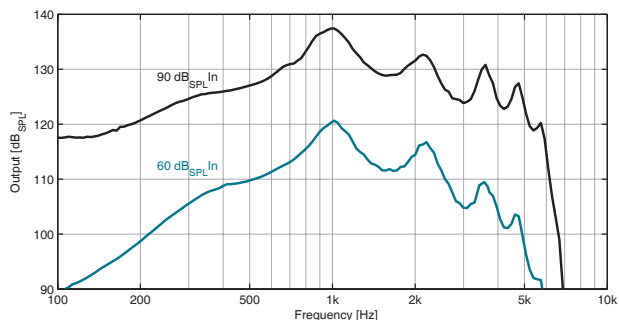
OSPL90 / OSPL50 @ FOG @ IEC 60118-7:2005



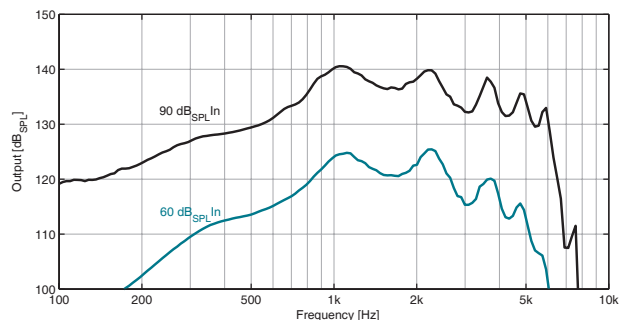
OSPL90 / OSPL50 @ FOG @ IEC 60118-0:1983/A1:1994



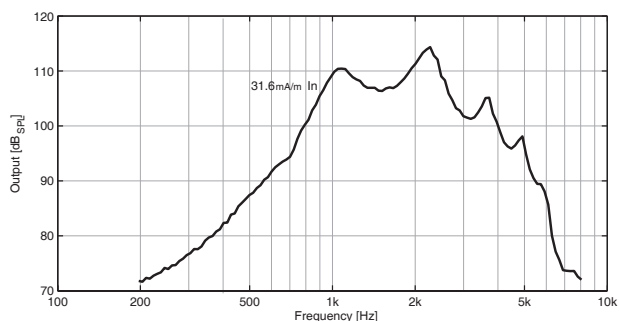
FREQUENCY RESPONSE @ RTG @ IEC 60118-7:2005



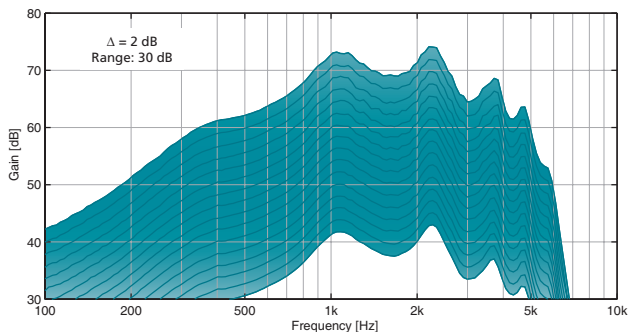
FREQUENCY RESPONSE @ RTG @ IEC 60118-0:1983/A1:1994



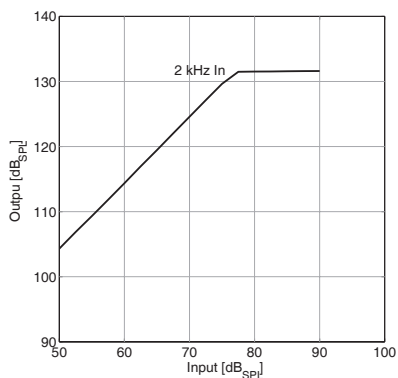
INDUCTION COIL SENSITIVITY @ RTG @ IEC 60118-7:2005



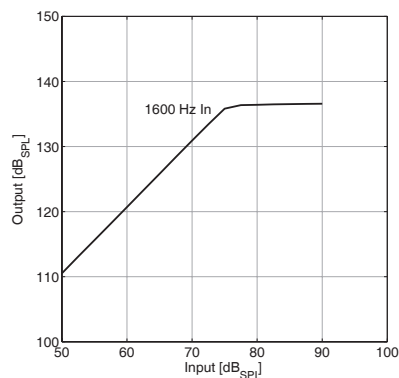
FREQUENCY RESPONSE @ VOL. CTRL. @ IEC 60118-0:1983/A1:1994



INPUT-OUTPUT @ RTG @ IEC 60118-7:2005



INPUT-OUTPUT @ RTG @ EC 60118-0:1983/A1:1994



HEARING INSTRUMENT CLASSIFICATION IN COMPLIANCE WITH IEC 60601-1 STANDARD

Medical Device Classification

Protection against electric shock	MEDICAL DEVICE WITH INTERNAL ELECTRICAL POWER SOURCE
	B Type Applied Part
	 This symbol indicates that the products described in these user instructions adhere to the requirements for an application part of Type B of IEC 60601-2-66. The surface of the hearing aid is specified as an applied part of Type B.
Working Method	CONTINUED WORKING

Power Supply Electrical Features

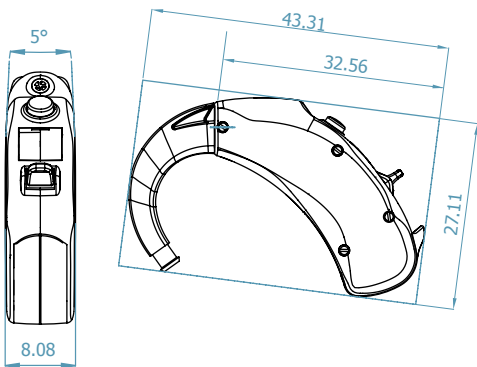
Nominal Operating Voltage	1.4 V
Current Type	Direct current DC
Nominal Current Leakage	1.33 mA
Battery Nomenclature (IEC 60086)	PR48

PRODUCT	REFERENCE	MODEL	GTIN-13
AMPLEX BTE HP	83525	AMPLEX BTE HP	8435281308378

GMDN Code: 34671

Environmental Conditions		Operating	Storage and Transport
	Temperature Limit	0 - 40°C	-20 to 60°C
	Humidity Limitation	10 - 95% (non-condensing)	

Weight & Dimensions



Weight excluding battery: 3,6 gr
Weight including battery: 4,4 gr
Dimensions in millimeters (mm)

Product Data

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Rev.C 2017-01-11

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