



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 P (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.

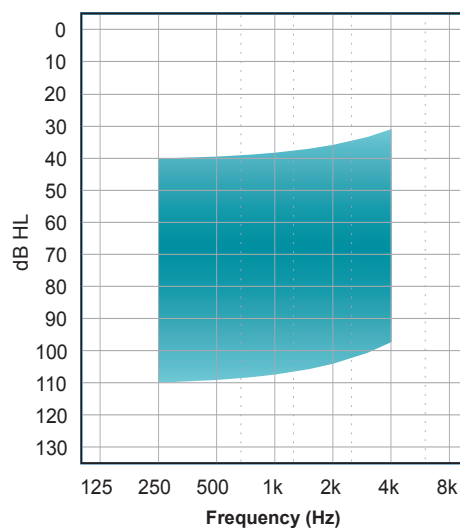
Features

- ✓ Matrix 134/66 @ 2cc
- ✓ 100% Digital Technology
- ✓ Digitally Programmable
- ✓ 12 Bands
- ✓ 6 Channels WDRC
- ✓ 6 Maximum Output Control Channels
- ✓ 3 Programs
- ✓ Digital Volume Control
- ✓ Switch off Battery Door
- ✓ Automatic Feedback Canceller
- ✓ Memory Change Indicator
- ✓ Low Battery Indicator
- ✓ Telecoil
- ✓ Noise Reduction
- ✓ 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
- 66183 NOAHLINK^A Programming Interface (Kernel v. 1.55.03) or 73194 HI-PRO^B USB Hearing Instrument Programmer (Firmware 3.00 or higher) or 88616 HI-PRO^{B2} Hearing Instrument Programmer (Firmware 4.00 or higher)

Fitting Range⁽¹⁾



Product Data

¹In Compliance with IEC 60118-13:2011

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

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DS-0016-005-EN
Rev.C 2016-12-19

Amplex BTE P (Rev.B)
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	Acoustic Data	IEC 60118-7:2005	IEC 60118-0:1993/ A1:1994
OUTPUT	OSPL ¹ 90 Peak (dB _{SPL})	134	139
	OSPL90 Peak Frequency (Hz)	1400	4100
	HFA ² -OSPL90 / RTF ³ -OSPL90 (dB _{SPL})	125	136
GAIN	HFA-FOG ⁴ (dB)	58	65
	RTF-FOG (dB)	59	68
	FOG (dB)	66	70
	FOG Frequency (Hz)	1400	1400
	RTG ⁵ (dB)	48	61
NOISE	Equivalent Input Noise (dB _{SPL})	18	17
AGC ⁶	Attack Time (ms)	1	3
	Release Time (ms)	22	14
TELECOIL	HFA-SPLI ⁷ / RTF-SPLI (dB _{SPL})	110	125
	HFA-FOG-MASL ⁸ / RTF-FOG-MASL @ 1 mA/m (dB _{SPL})	90	97
	500 Hz @ 100 mA/m (THD %)	1,4	1,9
	800 Hz @ 100 mA/m (THD %)	2,2	N/A
	1600 Hz @ 100 mA/m (THD %)	0,5	1,2
DISTORTION	500 Hz @ 70 dB _{SPL} (THD %)	3,0	N/A
	800 Hz @ 70 dB _{SPL} (THD %)	1,6	N/A
	1600 Hz @ 65 / 70 dB _{SPL} (THD %)	0,7	0,7
CONSUMPTION	Current Drain (mA)	0,95	0,92
FREQUENCY LIMITS	f ₁ (Hz)	100	300*
	f ₂ (Hz)	5500	5500*
		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

*According to DIN 45605 Standard

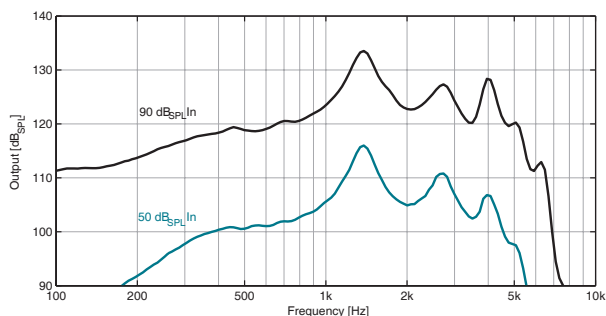
Accessories & Spare Parts for Professionals

- 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
- 83562 Amplex P Label Lid (10 pcs)
- 78418 Amplex Switch But (10 Pcs)
- 88852 Microphone Windscreen (10 pcs)

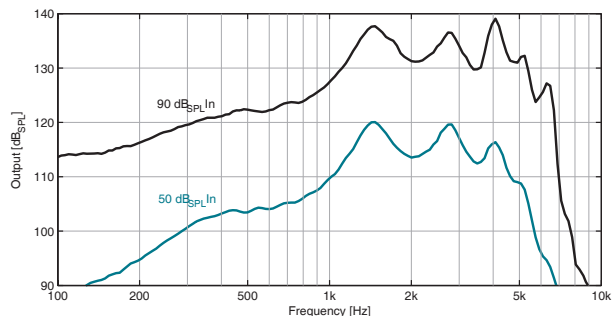
Accessories & Spare Parts for end user

- 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)

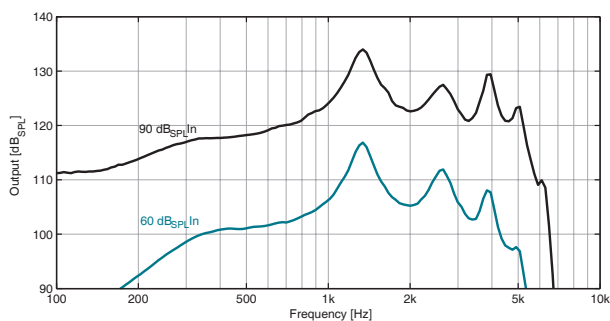
OSPL90 / OSPL50 @ FOG @ IEC 60118-7:2005



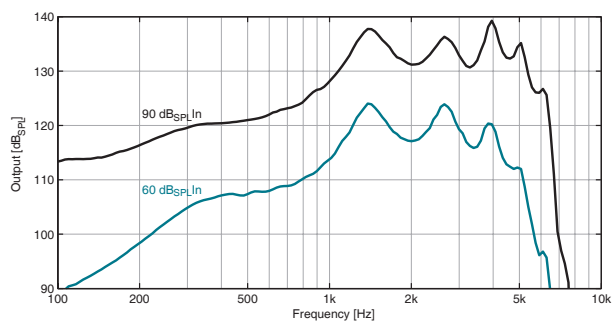
OSPL90 / OSPL50 @ FOG @ IEC 60118-0:1983/A1:1994



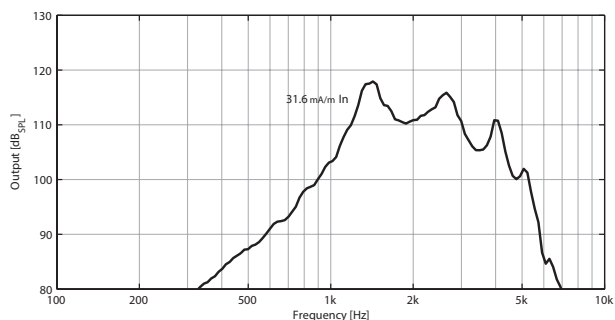
FREQUENCY RESPONSE @ RTG @ IEC 60118-7:2005



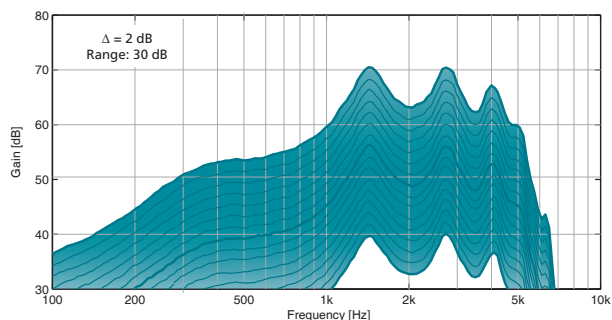
FREQUENCY RESPONSE @ RTG @ IEC 60118-0:1983/A1:1994



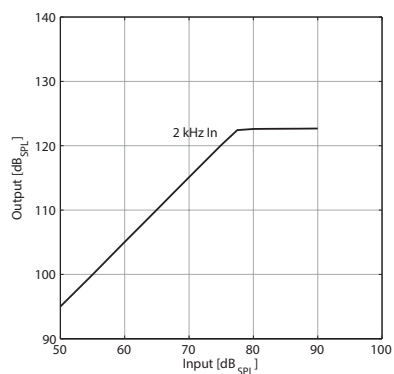
INDUCTION COIL SENSITIVITY @ RTG @ IEC 60118-7:2005



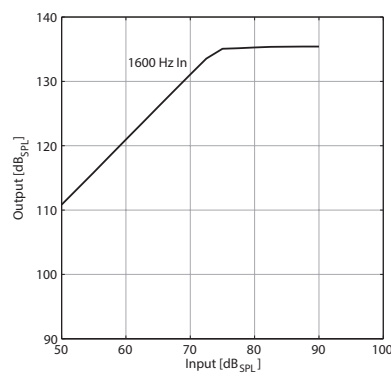
FREQUENCY RESPONSE @ VOL. CTRL. @ IEC 60118-0:1983/A1:1994



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



INPUT-OUTPUT @ RTG @ IEC 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

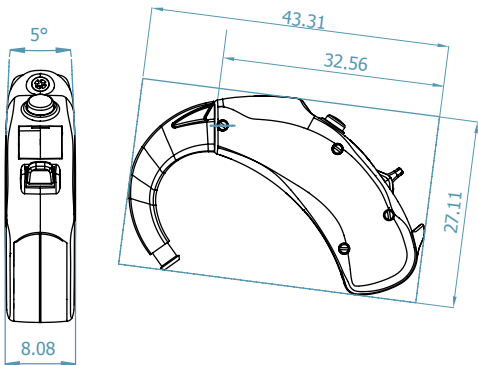
Nominal Operating Voltage	1.4 V
Current Type	Direct current DC
Nominal Current Leakage	0,92 mA
Battery Nomenclature (IEC 60086)	PR48

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

PRODUCT	REFERENCE	MODEL	GTIN-13
AMPLEX BTE P	83116	AMPLEX BTE P	8435281308200

GMDN Code: 34671

Weight & Dimensions



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

Product Data

DS-0016-005-EN
Rev.C 2016-12-19

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