



- ① Ergonomic Ear Hook
- ② Microphone
- ③ Configurable Control Wheel (Volume control or Programs selector)
- ④ Battery compartment (Type 13)
- ⑤ Acoustic Filter

DESCRIPTION

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

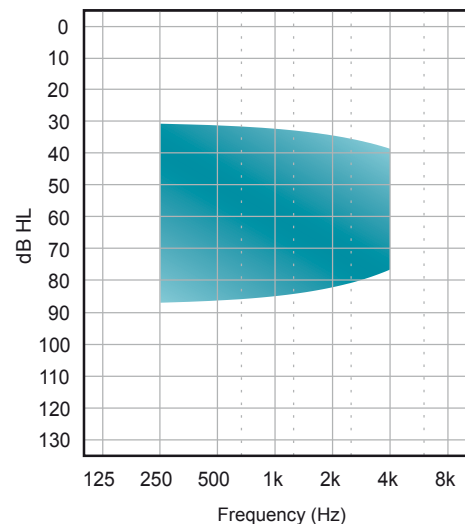
INTENDED USE

The Microson m2 BTE P is indicated to compensate from moderate to severe hearing loss (transmissive, mixed or sensorineural). It is not intended for children or mentally disabled people. See Fitting Range⁽¹⁾

Features

- ✓ Matrix 137/60 @ 2cc
- ✓ 100% Digital Technology
- ✓ Digitally Programmable
- ✓ 6 WDRC Independent Channels **New!**
- ✓ 11 Frequency Bands
- ✓ 6 MPO Control Channels
- ✓ Automatic Noise Reduction up to -12dB
- ✓ 4 Programs **New!**
- ✓ Configurable digital control wheel⁽²⁾ **New!**
- ✓ Automatic Feedback Canceller
- ✓ Telecoil
- ✓ Autophone
- ✓ Power On Delay
- ✓ Low Battery Indicator
- ✓ Nanoproof Coating⁽³⁾
- ✓ Ingress Protection Rating IP57⁽⁴⁾
- ✓ Suitable for mobile phones⁽⁵⁾
- ✓ Battery 13 Type - PR48 (EN 60086)
- ✓ Small size

⁽¹⁾ Fitting Range



Requirements

- 89600 Fitting Software Microson CODA e-STUDIO 6 (6.5.2 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)
- 73194 HI-PRO^B USB Hearing Instrument Programmer (Firmware 3.00 or higher)
- 88616 HI-PRO^{B2} Hearing Instrument Programmer (Firmware 4.00 or higher)

⁽²⁾ Volume Control (Factory Settings) or Program Switching (Settings using Fitting Software Microson CODA e-STUDIO 6.5.2 or higher)

⁽³⁾ Nanometric Coating protection against intrusion of particles

⁽⁴⁾ In compliance with IEC 60529

⁽⁵⁾ In compliance with IEC 60118-13 IEC 60118-13

^(A) NOAH & NOAHLINK son productos con licencia y marca registrada de HIMSA A/S en Dinamarca.

^(B) HI-PRO es una marca registrada por GN Otometrics A/S en Dinamarca.

	Acoustic Data	IEC 60118-7:2005	IEC 60118-0:1993/ A1:1994
OUTPUT	OSPL ¹ 90 Peak (dB _{SPL})	137	141
	OSPL90 Peak Frequency (Hz)	1300	1300
	HFA ² -OSPL90 / RTF ³ -OSPL90 (dB _{SPL})	130	138
GAIN	HFA-FOG ⁴ (dB)	52	59
	RTF-FOG (dB)	51	59
	FOG (dB)	60	64
	FOG Frequency (Hz)	1300	2500
	RTG ⁵ (dB)	52	59
NOISE	Equivalent Input Noise (dB _{SPL})	20	20
AGC ⁶	Attack Time (ms)	1	1
	Release Time (ms)	8	7
TELECOIL	HFA-SPLI ⁷ / RTF-SPLI (dB _{SPL})	109	117
	HFA-FOG-MASL ⁸ / RTF-FOG-MASL @ 1 mA/m (dB _{SPL})	78	85
	500 Hz @ 56 mA/m (THD %)	2.9	3.9
	800 Hz @ 56 mA/m (THD %)	5.7	7.4
	1600 Hz @ 56 mA/m (THD %)	3.1	2.7
DISTORTION	500 Hz @ 70 dB _{SPL} (THD %)	3.6	5.8
	800 Hz @ 70 dB _{SPL} (THD %)	2.4	4.5
	1600 Hz @ 65 / 70 dB _{SPL} (THD %)	0.3	0.7
CONSUMPTION	Current Drain (mA)	1.97	1.71
FREQUENCY LIMITS	f ₁ (Hz)	200	300 [*]
	f ₂ (Hz)	5000	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

Measurements with an undamped ear hook

⚠ WARNING!

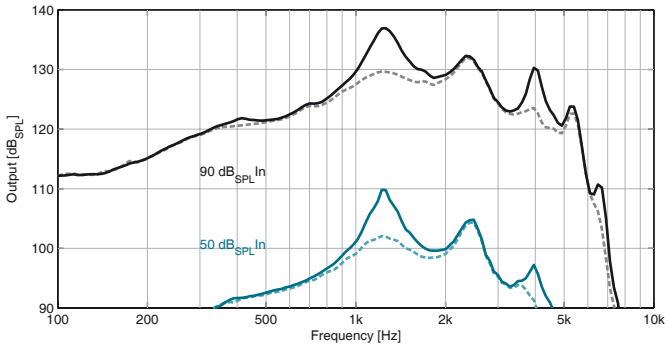
This hearing aid can generate sound output levels in excess of 132 dB_{SPL} (IEC 60318-4 Coupler).

The hearing care specialist should be specially careful fitting the instrument as there may be risk of impairing the remaining hearing of the hearing instrument user.

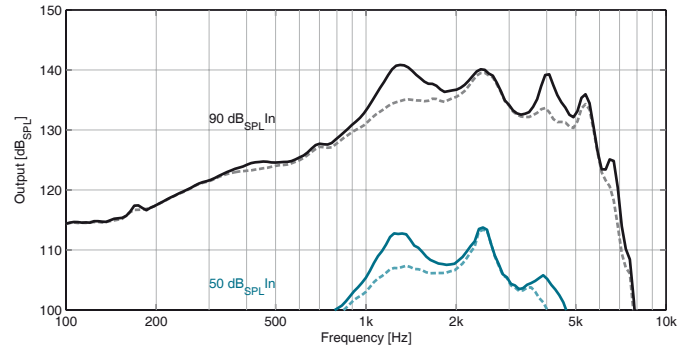
Configurable parameters

	Parameter	Minimum	Maximum	Step	Default Parameters	Units
WDRC CHANNELS 1 to 6	Low Level Gain	0	20	2	20	dB
	High Level Gain	0	26	2	26	dB
	Compression TK	45	69	2	55	dB _{SPL}
	Compression Ratio	1:1	5:1	-	1:1	-
MPO CHANNELS 1 to 6	Threshold Kneepoint	-20	OFF	2	-6	dB
FEATURES	Volume Control	-20	0	2	-10	dB
	Power On Delay	0	10	5	5	seconds
	Noise Reduction	OFF	12	6	OFF	dB
	Feedback Canceller	-	-	-	ON	-
	Memory Change Indicator	-	-	-	OFF	-
	Low-Battery Indicator	-	-	-	ON	-

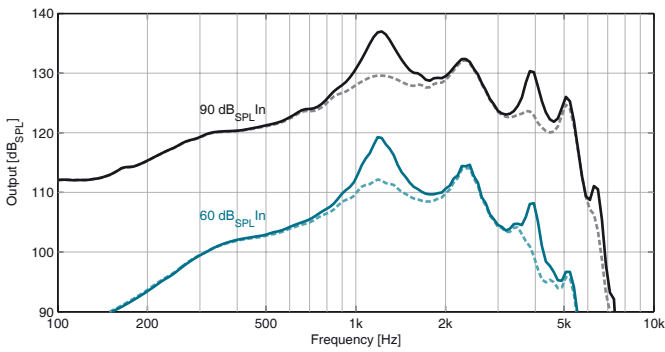
OSPL90 / OSPL50 @ FOG @ IEC 60118-7:2005



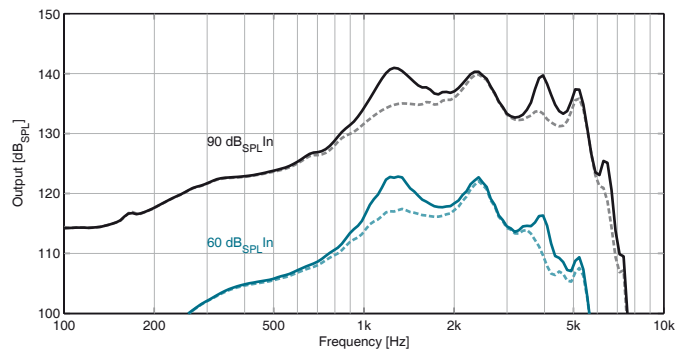
OSPL90 / OSPL50 @ FOG @ IEC 60118-0:1993/A1:1994



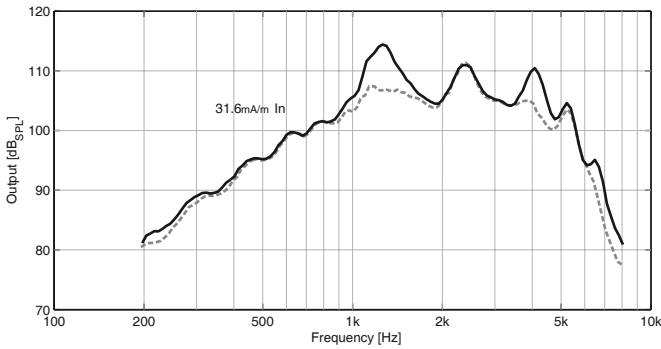
FREQUENCY RESPONSE @ RTS @ IEC 60118-7:2005



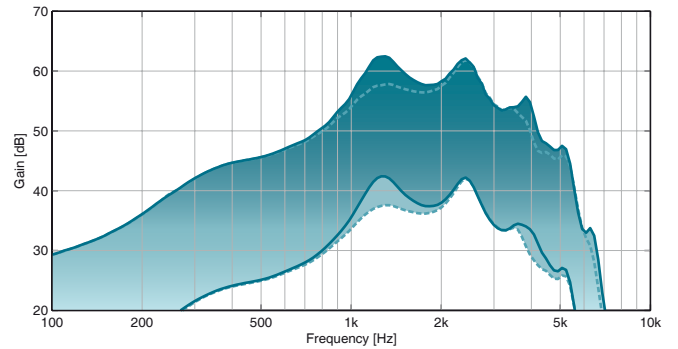
FREQUENCY RESPONSE @ RTS @ IEC 60118-0:1993/A1:1994



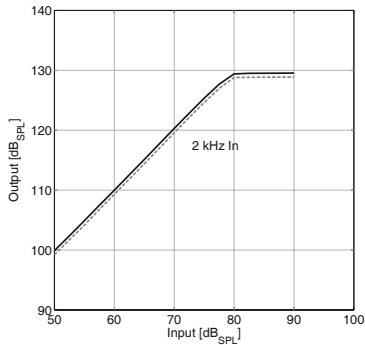
INDUCTION COIL SENSITIVITY @ RTS @ IEC 60118-7:2005



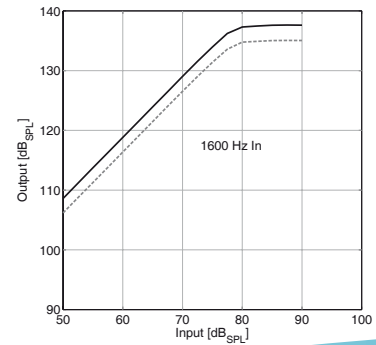
FREQUENCY RESPONSE @ VOLUME CONTROL @ IEC 60118-0:1993/A1:1994



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



INPUT-OUTPUT @ RTS @ IEC 60118-0:1993/A1:1994



--- Damped Ear Hook

Product Data

DS-0040-004-EN
Rev.C 2018/04/11

m2 BTE P Rev.B
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Measurements performed using a UPL 66 (Rohde & Schwarz) Id 23564 test unit on May 2016 and are subject to changes without prior notice.

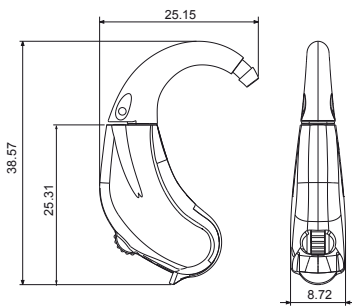
Accessories & Spare Parts for Professionals (Fitting)

- 89600 Fitting Software Microson CODA e-STUDIO 6 (6.5.2 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 P13 Ear Hook Soft rev2 (5pcs)
- 93769 Neodymium disc magnet
- 79430 Membrane Windscreen BTE Dolphin Grey (10Pcs)
- 79431 Membrane Windscreen BTE Beige (10Pcs)
- 79432 Membrane Windscreen BTE Artic Grey (10Pcs)
- 87304 Membrane Windscreen BTE Black (10Pcs)
- 94583 6 pack of Microson 13 hearing aid batteries M/Free (PR48)
- 91118 Brush Cleaner
- 102534 Side Identifier Label (L/R) (5 Pcs)

Accessories & Spare Parts for End User

- 91118, Brush Cleaner
- 94166, User Manual m2 BTE LP2 (ES/EN/IT/PT/FR)
- 93769, Neodymium disc magnet
- 94583, 6 pack of Microson 13 hearing aid batteries M/Free (PR48)
- 88192, Microson Microbox case


Weight & Dimensions






Weight* excluding battery: 2,31 gr.
 Weight* including battery: 3,09 gr
 Dimensions in millimeters (mm)
 *Including Damped Ear Hook

HEARING INSTRUMENT CLASSIFICATION IN COMPLIANCE WITH IEC 60601-1 STANDARD

Medical Device Classification

Protection against electric shock	MEDICAL DEVICE WITH INTERNAL ELECTRICAL POWER SOURCE
	Type B Applied Part
	 This symbol indicates that this product adheres to the requirements established for an application component of type B in accordance with IEC 60601-2-66. The surface of the hearing aid is classified as an application component of type B.
Mode of operation	CONTINUOUS OPERATION

Environmental conditions

		Operating		Storage and Transport	
	Temperature Limit	0 to 40°C		-20 to 60°C	
	Humidity limitation	10 al 95% (Non-condensing)			
	Atmospheric pressure P (hPA)	500*	1100*	500*	1100*

*Avoid rapid pressure changes

Supply Electrical Features

	m2 BTE P
Nominal Operating Voltage	1.4 V
Current Type	Direct current DC
Nominal Current Leakage	1.71 mA
Battery Nomenclature (IEC 60086)	PR48

PRODUCT	REFERENCE	MODEL	GTIN-13
m2 BTE P	94645	MICROSON m2 BTE P AT BEIGE	8435281312146
	94646	MICROSON m2 BTE P AT ARTIC GREY	8435281312153
	94647	MICROSON m2 BTE P AT DOLPHIN GREY	8435281312160
	94648	MICROSON m2 BTE P AT BLACK	8435281312177

GMDN Code: 34671

Product Data