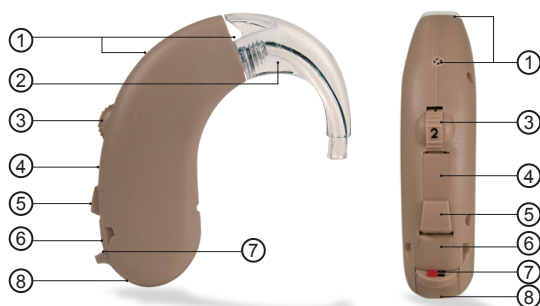




- | | |
|----------------------|----------------------------------|
| ① Microphones | ⑤ Programs push button |
| ② Ergonomic ear-hook | ⑥ Direct Audio Input |
| ③ Volume control | ⑦ Safety Lock Battery Door |
| ④ Programming socket | ⑧ Battery compartment (Type 675) |

DESCRIPTION

Behind the Ear air-conduction hearing aid (BTE), Battery BTE, programmable through fitting software with direct audio input.

INTENDED USE

The MICROSON CIMA FRONT II hearing instrument is indicated to compensate from severe to profound hearing loss (transmissive, mixed or neurosensory). Not intended for children. See Fitting Range⁽¹⁾

Features

- ✓ Matrix 139/80 @ 2cc
- ✓ 100% Digital Technology
- ✓ Digitally Programmable
- ✓ Real Time Analysis
- ✓ 4 Independent WDRC Channels
- ✓ 14 Bands
- ✓ 4 Memories
- ✓ Double Microphone
- ✓ Automatic Feedback Canceller
- ✓ Automatic Noise Reduction
- ✓ Telecoil
- ✓ Direct Audio Input
- ✓ Battery Door Lock
- ✓ Low Battery Indicator
- ✓ Memory change indicator
- ✓ Suitable for mobile phones⁽²⁾
- ✓ Battery Type 675 – PR44 (IEC 60086)

Requirements

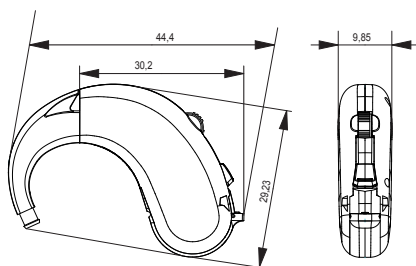
- 89600, Fitting Software Microson CODA e-STUDIO 6 (6.0.0 or higher)
- 53781, 4 Pin Hi-Pro Cable Right
- 53832, 4 Pin Hi-Pro Cable Left
- 66183, NOAHLINK^A Programming Interface (Kernel v. 1.55.03)
- 73194, HI-PRO^B USB Hearing Instrument Programmer (Firmware 3.00 or higher)
- 88616, HI-PRO^{B2} Hearing Instrument Programmer (Firmware 4.00 or higher)



NOTE:

Insert battery type 675 (PR44) for programming

Weight & Dimensions

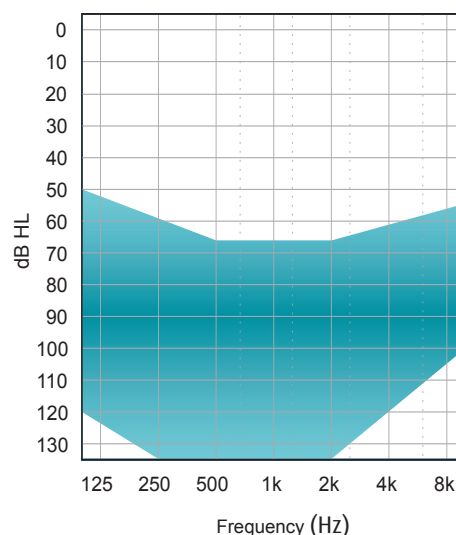


Weight excluding battery: 4.76 gr.

Weight including battery: 5.56 gr

Dimensions in millimeters (mm)

⁽¹⁾ Fitting Range



⁽²⁾ In compliance with IEC 60118-13

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CIMA FRONT II BTE
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^(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})	139	143
	OSPL90 Peak Frequency (Hz)	1100	1200
	HFA ² -OSPL90 / RTF ³ -OSPL90 (dB _{SPL})	133	139
GAIN	HFA-FOG ⁴ (dB) / RTF-FOG (dB)	73	77
	FOG (dB)	80	84
	FOG Frequency (Hz)	1200	1200
	RTG ⁵ (dB)	54	64
NOISE	Equivalent Input Noise (dB _{SPL})	16	13
AGC ⁶	Attack Time (ms)	2	2
	Release Time (ms)	6	4
TELECOIL	HFA-SPLI ⁷ / RTF-SPLI (dB _{SPL})	102	110
	HFA-FOG-MASL ⁸ / RTF-FOG-MASL @ 1 mA/m (dB _{SPL})	89	93
	500 Hz @ 100 mA/m (THD %)	4,5	N/A
	800 Hz @ 100 mA/m (THD %)	0,7	1,2
	1600 Hz @ 100 mA/m (THD %)	0,1	0,2
DISTORTION	500 Hz @ 70 dB _{SPL} (THD %)	2,0	4,5
	800 Hz @ 70 dB _{SPL} (THD %)	0,7	1,7
	1600 Hz @ 65 / 70 dB _{SPL} (THD %)	0,2	0,4
CONSUMPTION	Current Drain (mA)	1,10	0,89
FREQUENCY LIMITS	f ₁ (Hz)	< 200	<100*
	f ₂ (Hz)	4900	5000*

Power Source: 1.3V Battery Simulator

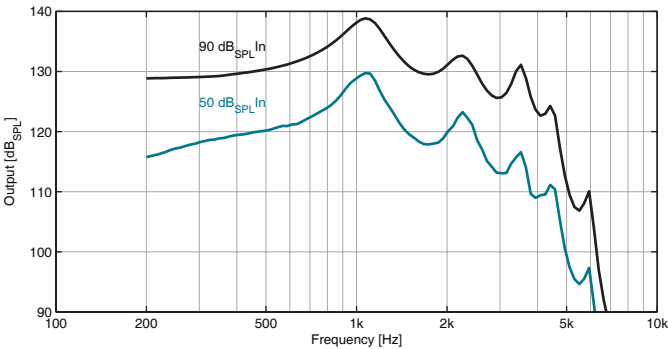
IRIL ⁹ IEC 60118-13:2011	Bystander Situation Max IRIL (dB _{SPL})	FREQUENCY BANDS	
		800-960 MHz	1400-2000 MHz
		12	14

¹OSPL: Output Sound Pressure Level²HFA: High Frequency Average³RTF: Reference Test Frequency (1600 Hz)⁴FOG: Full On Gain⁵RTG: Reference Test Gain⁶AGC: Automatic Gain Control⁷SPLI: Sound Pressure Level Inductive⁸MASL: Magneto Acoustical Sensitivity Level⁹IRIL: Input Related Interference Level

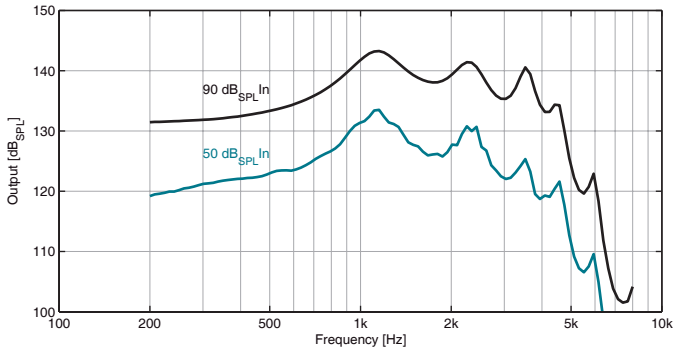
* According to DIN 45605 standard



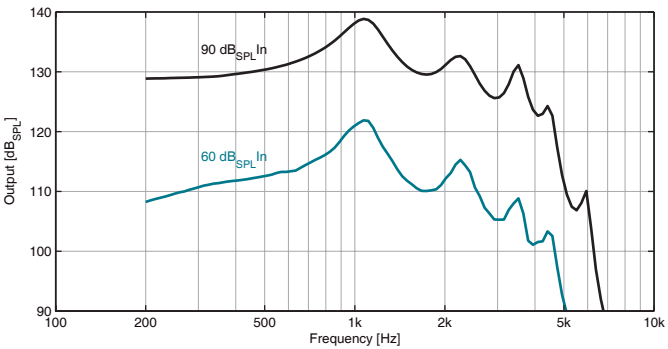
OSPL90 / OSPL50 @ FOG @ IEC 60118-7:2005



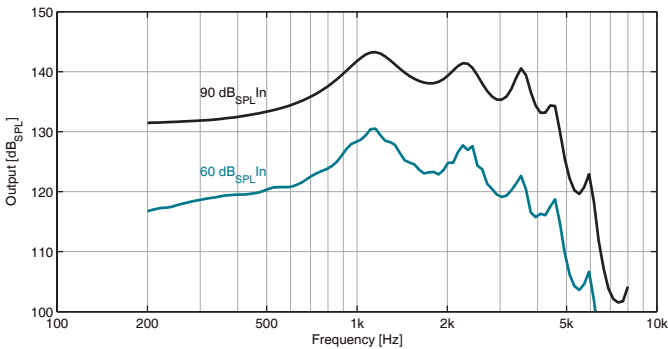
OSPL90 / OSPL50 @ FOG @ IEC 60118-0:1993/A1:1994



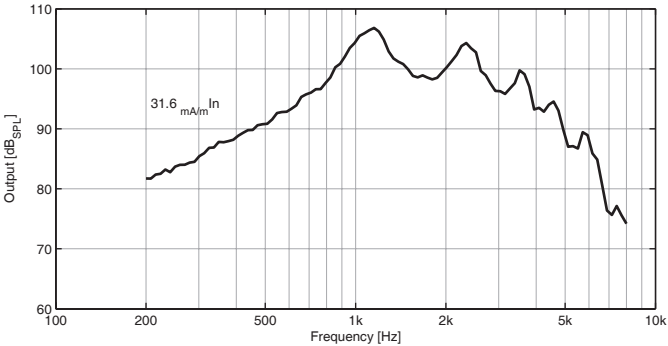
FREQUENCY RESPONSE @ RTS @ IEC 60118-7:2005



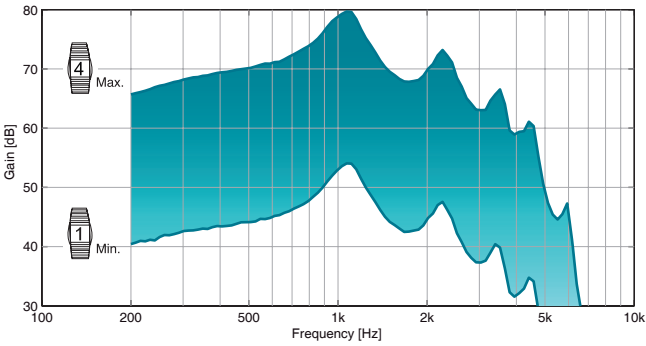
FREQUENCY RESPONSE @ RTS @ IEC 60118-0:1993/A1:1994



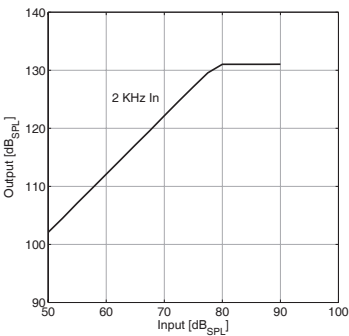
INDUCTION COIL SENSITIVITY @ RTS @ IEC 60118-7:2005



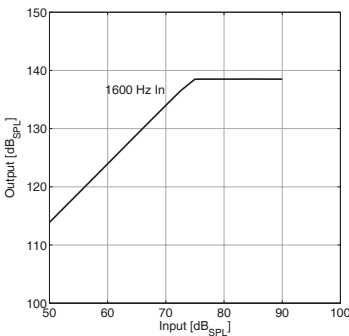
FREQUENCY RESPONSE @ VOLUME CONTROL @ IEC 60118-7:2005



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



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



Product Data

Measurements performed using a UPL 66 (Rohde & Schwarz) Id 23562 test unit on November 2012 and are subject to changes without prior notice.

Accesories & Spare Parts for Professionals

89600, Software Microson CODA e-STUDIO 6 Sales Pack
53781, 4 Pin Hi-Pro Cable Right
53832, 4 Pin Hi-Pro Cable Left
66183, NOAHLINK^A Programming Interface (Kernel v. 1.55.03)
73194, HI-PRO USB Hearing Instrument Programmer (Firmware 3.00 or higher)
88616, HI-PRO^{B2} Hearing Instrument Programmer (Firmware 4.00 or higher)
76934, Auto-telephone Magnet Kit
79430, Microson Windscreen BTE Artic Grey (10Pcs)
79431, Microson Windscreen BTE Beige (10Pcs)
91118, Brush Cleaner
87135, Audio shoe P675
82877, Hearing instrument Battery 675 6 pack
80813, Earhook P675 (5pcs)
87528, Cima Front II Label Lid set (red+blue)

Accesories & Spare Parts for end user CIMA FRONT II BTE

91118, Brush Cleaner
87135, Audio shoe P675
82877, 6 Pack of Microson 675 Hearing Aid Batteries (PR44)
76934, Autophone Magnet Kit
88192, Microson Microbox case
87398, Marketing Manual Instrucciones Microson Cima Front BTE LP2
87496, Marketing Manual Instrucciones Microson Cima Front BTE LP3

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 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.
Mode of operation	CONTINUOUS OPERATION

Environmental conditions

	Temperature Min. (°C)	Temperature Max. (°C)	Relative Humidity Min (%)	Relative Humidity Max (%)
Recommended usage and storage	0	40	10	95

Power Supply Electrical Features

	CIMA FRONT II BTE
Nominal Operating Voltage	1.4 V
Current Type	Direct current DC
Nominal Current Leakage	0.89 mA
Battery Nomenclature (IEC 60086)	PR44

PRODUCTO	REFERENCIA	MODELO	GTIN-13
CIMA FRONT II BTE	87180	MICROSON CIMA FRONT II BEIGE 	8435281309825
	87182	MICROSON CIMA FRONT II GREY 	8435281309832

GMDN Code: 34671