

- ① Dome or adapter
- ② Receiver
- ③ Receiver socket
- ④ Microphone
- ⑤ Program Push Button
- ⑥ Battery compartment (Type 13)

DESCRIPTION

Receiver In Canal (RIC) air conduction digital hearing, with 6 WDRC channels, Battery 13, programmable through fitting software.

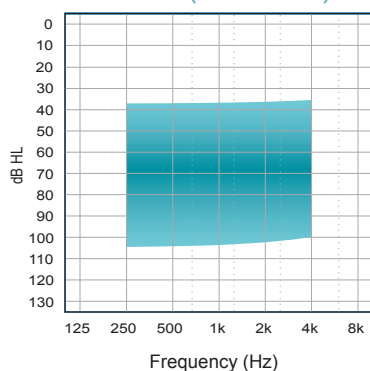
INTENDED USE

The MICROSON m2 RIC hearing instrument is indicated to compensate from moderate to severe hearing loss (transmissive, mixed or sensorineural). It is not suitable for children or mentally disabled people.

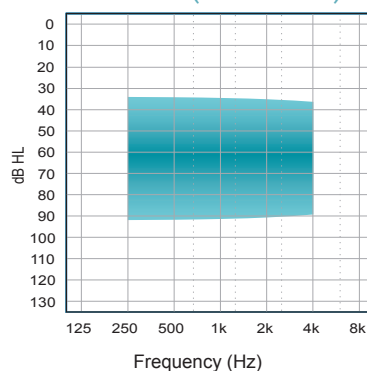
See Fitting Range⁽¹⁾

⁽¹⁾ Fitting Range

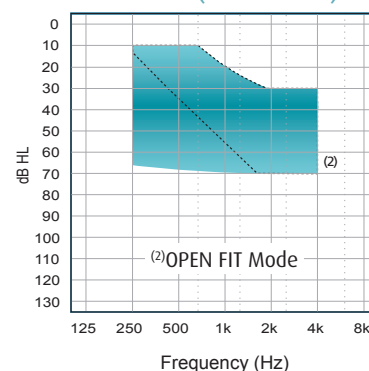
m2 RIC (Receiver P)



m2 RIC (Receiver M)



m2 RIC (Receiver S)



Features

- ✓ Matrix 124/66 @ 2cc m2 RIC (Receiver P)
- ✓ Matrix 121/55 @ 2cc m2 RIC (Receiver M)
- ✓ Matrix 110/46 @ 2cc m2 RIC (Receiver S)
- ✓ 100% Digital Technology
- ✓ Digital Programmable
- ✓ Real Time Analysis
- ✓ 6 Independent WDRC Channels
- ✓ 23 Bands
- ✓ 4 Memories
- ✓ OPTIMIZER Feedback Canceller
- ✓ Automatic Noise Reduction
- ✓ Nanoproof Coating⁽³⁾ **New!**
- ✓ Degree of Protection IP57 (IEC 60529) **New!**
- ✓ Low Battery Indicator
- ✓ Memory Change Indicator
- ✓ Suitable for mobile phones⁽⁴⁾
- ✓ Battery 13 Type - PR48 (IEC 60086)
- ✓ Standard and Open Fit (Receiver S)

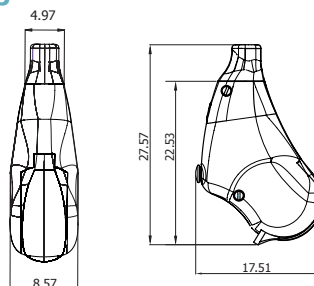
Requirements

- 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-PRO2^B Hearing Instrument Programmer (Firmware 4.00 or higher)

NOTE:

Insert Battery Type 13 (PR-48) Adapter for programming (Ref. 79345)

Weight & Dimensions



Weight excluding battery: 1.39 gr.
Weight including battery: 2.17 gr.
Dimensions in millimeters (mm)

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

(3) Nanometric Coating protection against intrusion of particles

(4) In compliance with IEC 60118-13:2011

^ANOAH[®] & NOAHLINK[®] are licensed products and registered trademarks of HIMSA A/S in Denmark.

^BHI-PRO[®] is a registered trademark of GN Otometrics A/S in Denmark.

DS-0049-001-EN
Rev.D 2018-07-17

m2 RIC Rev. B
1 of 5

	Acoustic Data	IEC 60118-7:2005 IEC 60118-0:2015			IEC 60118-0:1983/ A1:1994		
		RECEIVER			RECEIVER		
		P	M	S	P	M	S
OUTPUT	OSPL ¹ 90 Peak (dB SPL)	124	121	110	135	133	122
	OSPL 90 Peak Frequency (Hz)	3000	3000	3200	3100	3100	3200
	HFA ² -OSPL90 / RTF ³ -OSPL90 (dB SPL)	119	118	104	126	126	112
GAIN	HFA-FOG (dB)	61	51	40	68	59	47
	RTF-FOG (dB)	60	50	39	68	59	47
	FOG (dB)	66	55	46	77	66	56
	FOG Frequency (Hz)	3100	3100	3200	3000	3200	3300
	RTG (Reference Test Gain) (dB)	43	41	28	51	52	37
NOISE	Equivalent Input Noise (dB SPL)	24	22	23	24	23	25
AGC ⁴	Attack Time (ms)	1	1	1	2	3	7
	Release Time(ms)	20	15	16	3	7	8
DISTORTION	500 Hz @ 70 dB SPL (%)	1.5	1.1	3.2	3.3	3.0	0.6
	800 Hz @ 70 dB SPL (%)	1.2	1.5	3.0	2.8	5.0	0.6
	1600 Hz @ 65 / 70 dB SPL (%)	1.7	1.2	1.1	4.8	3.9	0.8
CONSUMPTION	Current Drain (mA)	1.05	1.22	0.59	0.69	0.94	0.55
FREQUENCY LIMITS	f ₁ (Hz)	<100	100	<100	<100 [*]	200 [*]	100 [*]
	f ₂ (Hz)	6200	7000	5700	5900 [*]	7300 [*]	6700 [*]
IRIL ⁵ (Bystander compatibility)	800 - 960 MHz (dB SPL)	<13	<2	<7	<13	<2	<7
	1400 - 2000 MHz (dB SPL)	<13	<2	<7	<13	<2	<7
Power Source: 1.3V Battery Simulator		IEC 60318-5:2006			IEC 60318-4:2010		

¹OSPL: Output Sound Preasure Level

²HFA: High Frequency Average

³RTF: Reference Test Frequency (1600 Hz)

^{*}According to DIN 45605 standard

⁴AGC: Automatic Gain Control

⁵IRIL: Input-Related Interference Level (IEC 60118-13:2011)

 **WARNING!**

The m2 RIC M and m2 RIC P hearing aids, can generate sound output levels in excess of 132 dB_{SPL} (IEC 60318-4 Coupler).
The hearing care specialist should be specially careful when fitting the instrument as there may be risk of impairing the remaining hearing of the hearing instrument user.

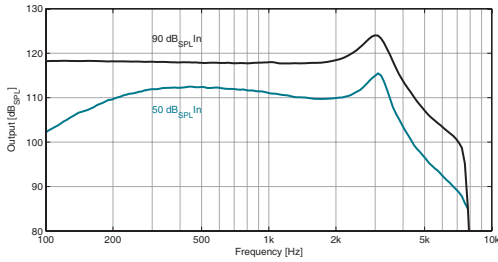
Environmental conditions		Operation		Storage / Transport	
		Min.	Max.	Min.	Max.
	Temperature [T (°C)]	0	40	-20	60
	Relative humidity [RH (%)]	10	95	10	95
	Atmospheric pressure [P (hPa)]	500 [*]	1100 [*]	500 [*]	1100 [*]

^{*}Avoid rapid pressure changes

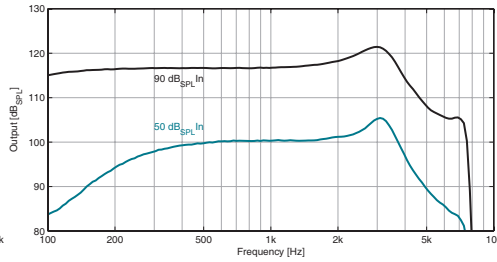
Measurements performed using a UPL 66 (Rohde & Schwarz) Id 23564 test unit on April 2017 and are subject to changes without prior notice.

OSPL90 / OSPL50 @ FOG @ IEC 60118-7:2005 / IEC 60118-0:2015

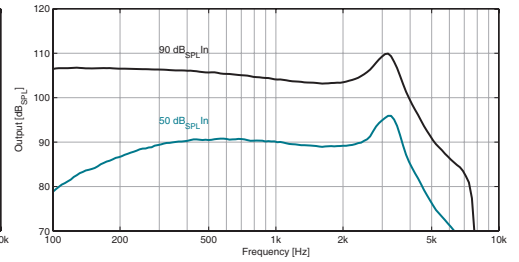
m2 RIC (Receiver P)



m2 RIC (Receiver M)

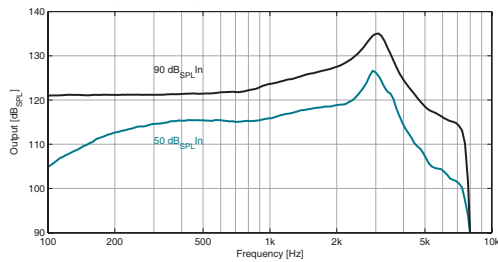


m2 RIC (Receiver S)

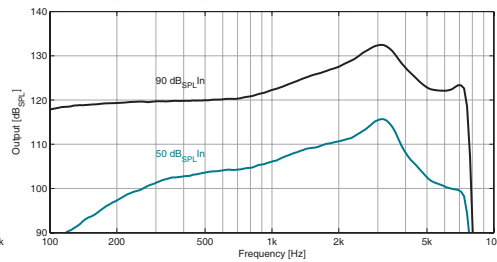


OSPL90 / OSPL50 @ FOG @ IEC 60118-0:1983/A1:1994

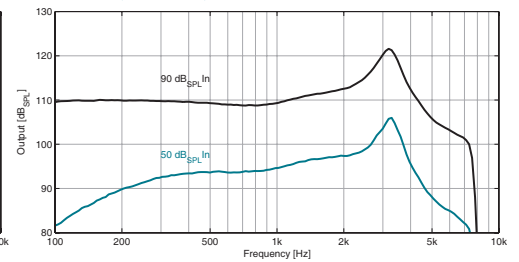
m2 RIC (Receiver P)



m2 RIC (Receiver M)

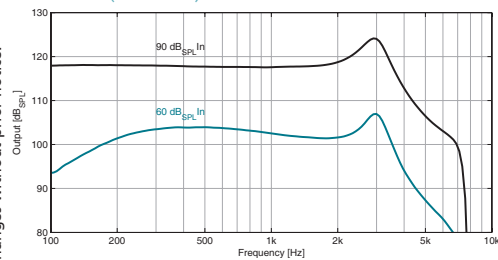


m2 RIC (Receiver S)

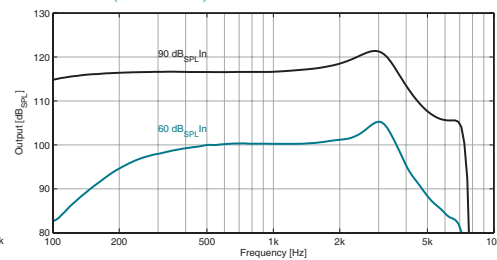


FREQUENCY RESPONSE @ RTS @ IEC 60118-7:2005 / IEC 60118-0:2015

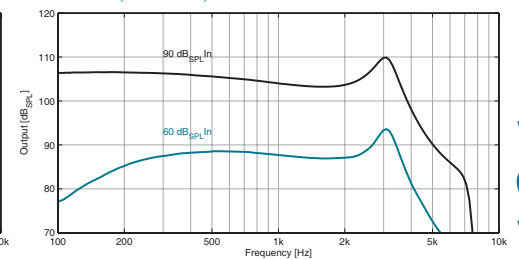
m2 RIC (Receiver P)



m2 RIC (Receiver M)

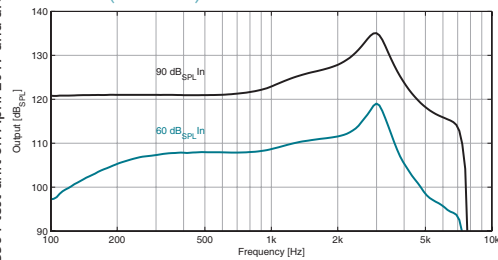


m2 RIC (Receiver S)

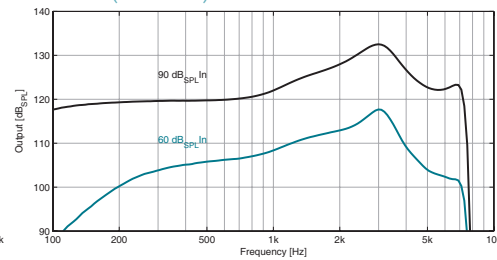


FREQUENCY RESPONSE @ RTS @ IEC 60118-0:1983/A1:1994

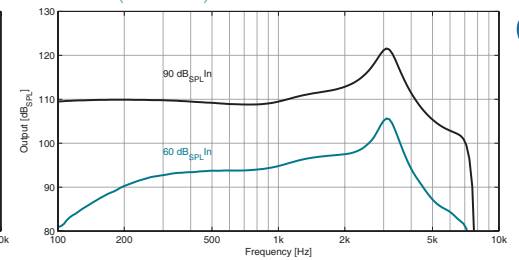
m2 RIC (Receiver P)



m2 RIC (Receiver M)

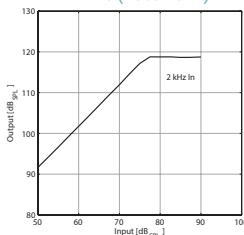


m2 RIC (Receiver S)

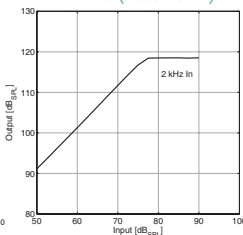


INPUT-OUTPUT @ RTS @ IEC 60118-7:2005 / IEC 60118-0:2015

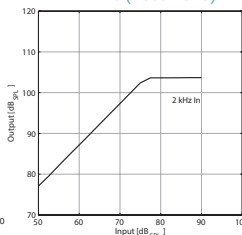
m2 RIC (Receiver P)



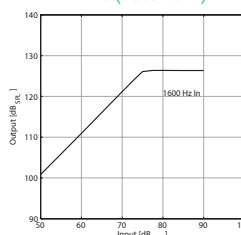
m2 RIC (Receiver M)



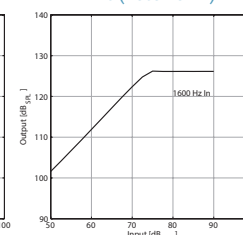
m2 RIC (Receiver S)



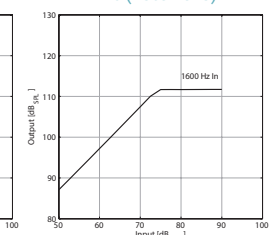
m2 RIC (Receiver P)



m2 RIC (Receiver M)



m2 RIC (Receiver S)



Accessories & Spare Parts for professionals (Fitting)

75138 Microphone Foam Protector (70Pcs)
 81730 Mold Receiver Removal Tool
 88852 Membrane Windscreen BTE Beige (10Pcs)
 88855 Membrane Windscreen BTE Artic Grey (10Pcs)
 88854 Membrane Windscreen BTE Dolphin (10Pcs)
 88853 Membrane Windscreen BTE Black (10Pcs)
 84787 Check Receiver Template Card
 84647 Measuring Gauge
 81718 Receiver Wax Filter Dispenser Blue (15Pcs)
 81719 Receiver Wax Filter Dispenser Red (15Pcs)
 86586 Ric Receiver Filter Set
 99535 Microson Microbox ONE case
 94583 6 Pack of Microson 13 hearing aid batteries M/Free (PR48)
 FG-0049-001-ES Guía programación m2 RIC ES
 FG-0049-002-EN Fitting Guide m2 RIC EN

Accessories & Spare Parts for end user

91118 Brush cleaner
 81718 Blue HF4 pack filters + dispenser (15 pcs)
 81719 Red HF4 pack filters + dispenser (15pcs)
 94583 6 Pack of Microson 13 hearing aid batteries M/Free (PR48)
 99535, Microson Microbox ONE case
 91146 User's manual Microson m2 / m4 RIC LP3
 91147 User's manual Microson m2 / m4 RIC LP2

Receiver S*

Receiver Tube S



83457 RIC S-45dB n°0 R
 83475 RIC S-45dB n°0 L
 83456 RIC S-45dB n°1 R
 83476 RIC S-45dB n°1 L
 83454 RIC S-45dB n°2 R
 83477 RIC S-45dB n°2 L
 83460 RIC S-45dB n°3 R
 83478 RIC S-45dB n°3 L

Receiver M*

Receiver Tube M



86745 RIC M(v2)-55dB n°0 R
 86744 RIC M(v2)-55dB n°0 L
 86747 RIC M(v2)-55dB n°1 R
 86746 RIC M(v2)-55dB n°1 L
 86749 RIC M(v2)-55dB n°2 R
 86748 RIC M(v2)-55dB n°2 L
 86751 RIC M(v2)-55dB n°3 R
 86750 RIC M(v2)-55dB n°3 L

Receiver P*

Receiver Tube P



83465 RIC P-65dB n°0 R
 83471 RIC P-65dB n°0 L
 83466 RIC P-65dB n°1 R
 83472 RIC P-65dB n°1 L
 83458 RIC P-65dB n°2 R
 83473 RIC P-65dB n°2 L
 83459 RIC P-65dB n°3 R
 83474 RIC P-65dB n°3 L

Dome Adapters* (6 Pcs Packs)

Reference	Description	Type
84627	Adaptader RIC	Double closed 10-12mm grid filter
84628	Adaptader RIC	Double closed 8-10mm grid filter
84640	Adaptader RIC	Open 10mm grid
84641	Adaptader RIC	Open 4mm grid
84642	Adaptader RIC	Open 8mm grid
84643	Adaptader RIC	Closed 10mm grid
84644	Adaptader RIC	Closed 6mm grid
84645	Adaptader RIC	Closed 8mm grid
90945	Adaptader RIC	Semi open

Model



(*) Manufacturer: Sivantos GmbH, Henri-Dunant-Str. 100 D-91058 Erlangen, Germany

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 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.
Working Method	CONTINUOUS WORKING

Power Supply Electrical Features

	m2 RIC		
	RECEIVER P	RECEIVER M	RECEIVER S
Nominal Operating Voltage	1.4 V		
Current Type	Direct current DC		
Nominal Current Leakage	0.69 mA	0.94 mA	0.55 mA
Battery Nomenclature (IEC 60086)	PR48		

PRODUCT	REFERENCE	MODEL	GTIN-13
m2 RIC	86637	MICROSON m2 RIC BEIGE 	8435281309559
	86638	MICROSON m2 RIC ARTICGREY 	8435281309566
	86909	MICROSON m2 RIC DOLPHINGREY 	8435281309658
	88479	MICROSON m2 RIC BLACK 	8435281310258

GMDN: 47169

Product Data