

## DESCRIPTION

In-the-canal air-conduction hearing aid (ITC), Battery 312, programmable through fitting software, WDRC processing strategy.

## INTENDED USE

The MICROSON m2 ITC hearing instrument is indicated to compensate mild to moderate hearing loss (mixed or sensorineural). It is not suitable for children.

See Fitting Range<sup>(1)</sup>

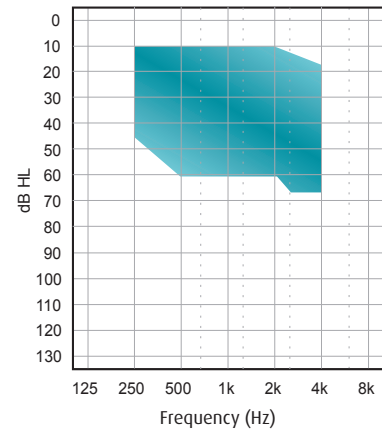
## Features

- √ Matrix 117/48 @ 2cc
- √ 100% Digital Technology
- √ Digitally Programmable
- √ 6 WDRC Independent Channels **New!**
- √ Up to 4 Programs **New!**
- √ 12 Bands
- √ 6 MPO Control Channels
- √ Automatic Feedback Canceller
- √ Automatic Noise Reduction up to -12 dB
- √ Programmable Power on Delay
- √ Memory Change Indicator
- √ Low Battery Indicator
- √ Battery Type 312 - PR41 (IEC 60086)
- √ Suitable for mobile phones\*

## Requirements

- 89600, Fitting Software Microson CODA e-STUDIO 6 (6.5.0 or higher)
- 53781, 4 Pin Hi-Pro Cable Right
- 53832, 4 Pin Hi-Pro Cable Left
- 83968, 3 Pin Flex Cable
- 88616, HI-PRO<sup>®</sup>2 Hearing Instrument Programmer (Firmware 4.00 or higher) or 66183, NOAHLINK<sup>A</sup> Programming Interface (Kernel v. 1.55.03) or 73194, HI-PRO<sup>®</sup> USB Hearing Instrument Programmer (Firmware 3.00 or higher).

<sup>(1)</sup> Fitting Range



Measurements performed using a UPL 66 Audio Analyser (Rohde & Schwarz) (d 23564 test unit on July 2015 and are subject to changes without prior notice.

**⚠ ATTENTION:**  
 Requires Fitting Software Microson CODA e-STUDIO 6 (6.5.0 or higher)  
 Requires Battery 312 for programming

\* In compliance with IEC 60118-13:2011

<sup>(A)</sup>NOAH & NOAHLINK are licensed products and registered trademarks of HIMSA A/S in Denmark.  
<sup>(B)</sup>HI-PRO is a registered trademark of GN Otometrics A/S in Denmark..



	Acoustic Data	IEC 60118-7:2005	IEC 60118-0:1993/ A1:1994
OUTPUT	OSPL <sup>1</sup> 90 Peak (dB <sub>SPL</sub> )	117	127
	OSPL90 Peak Frequency (Hz)	3100	3200
	HFA <sup>2</sup> -OSPL90 / RTF <sup>3</sup> -OSPL90 (dB <sub>SPL</sub> )	111	118
GAIN	HFA-FOG <sup>4</sup> (dB)	38	46
	RTF-FOG (dB)	36	45
	FOG (dB)	48	58
	FOG Frequency (Hz)	3100	3100
	RTG <sup>5</sup> (dB)	34	43
NOISE	Equivalent Input Noise (dB SPL)	20	19
AGC <sup>6</sup>	Attack Time (ms)	1	1
	Release Time(ms)	7	4
DISTORTION	500 Hz @ 70 dB <sub>SPL</sub> (THD %)	0.4	0.4
	800 Hz @ 70 dB <sub>SPL</sub> (THD %)	0.4	0.4
	1600 Hz @ 65 / 70 dB <sub>SPL</sub> (THD %)	0.4	0.7
CONSUMPTION	Current Drain (mA)	0.70	0.69
FREQUENCY LIMITS	f <sub>1</sub> (Hz)	<100	<100*
	f <sub>2</sub> (Hz)	7000	7500*
Power Source: 1.3V Battery Simulator		EN 60318-5:2006	EN 60318-4:2010

<sup>1</sup>OSPL: Output Sound Pressure Level

<sup>2</sup>HFA: High Frequency Average

<sup>3</sup>RTF: Reference Test Frequency (1600 Hz)

<sup>4</sup>FOG: Full On Gain

<sup>5</sup>RTG: Reference Test Gain

<sup>6</sup>AGC: Automatic Gain Control

<sup>7</sup>SPL: Sound Pressure Level Inductive

<sup>8</sup>MASL: Magneto Acoustical Sensitivity Level

\* According to DIN 45605 standard

## Accessories & Spare Parts PROFESSIONAL (Fitting)

89600	Fitting Software Microson CODA e-STUDIO 6 (6.5.0 or higher)
88616	HI-PRO <sup>B2</sup> Hearing Instrument Programmer (Firmware 4.00 or higher)
73194	HI-PRO <sup>B</sup> USB Hearing Instrument Programmer (Firmware 3.00 or higher)
66183	NOAHLINK <sup>A</sup> Programming Interface (Kernel v. 1.55.03)
53781	4 Pin Hi-Pro Cable Right
53832	4 Pin Hi-Pro Cable Left
83968	Flex Cable 3 Pin 2,54 cm
63849	Red HF3 pack filters + dispenser (15 pcs)
63850	Blue HF3 pack filters + dispenser (15 pcs)
75266	Battery Door ITC L (5 pcs)
75267	Battery Door ITC R (5 pcs)
94582	6 Pack of Microson 312 batteries M/Free
88192	Microson Microbox case
91118	Brush cleaner

## Accessories & Spare Parts for end user

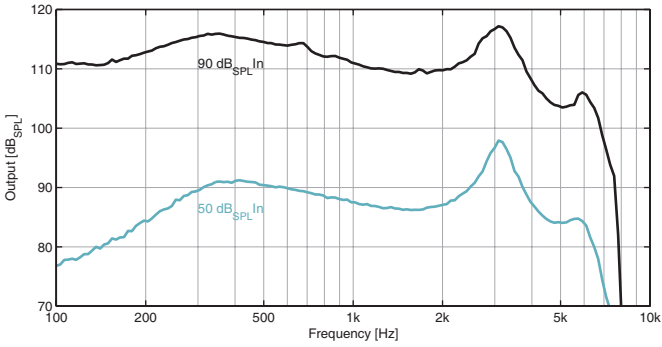
63849	Red HF3 pack filters + dispenser (15 pcs)
63850	Blue HF3 pack filters + dispenser (15 pcs)
94582	6 Pack of Microson 312 batteries M/Free
88192	Microson Microbox case
91118	Brush cleaner
94116	User's manual m2/m3 ITE's LP2 (ES / Spanish, EN / English, PT / Portuguese, IT / Italian, FR / French)

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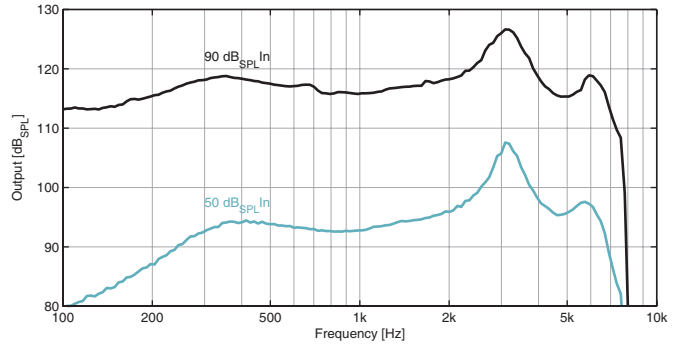
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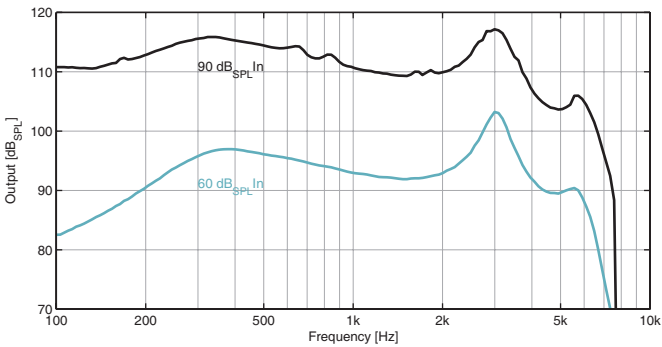
OSPL90 / OSPL50 @ FOG @ GM @ IEC 60118-7:2005



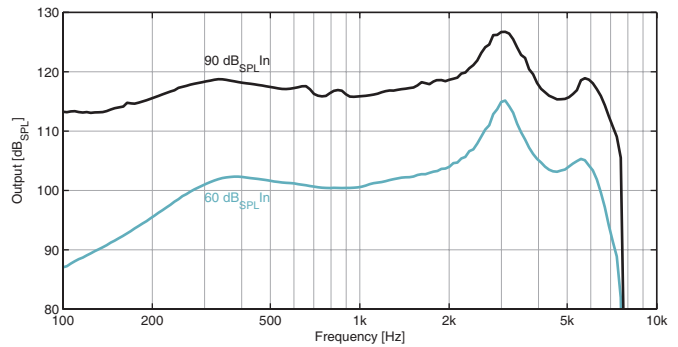
OSPL90 / OSPL50 @ FOG @ IEC 60118-0:1983/A1:1994



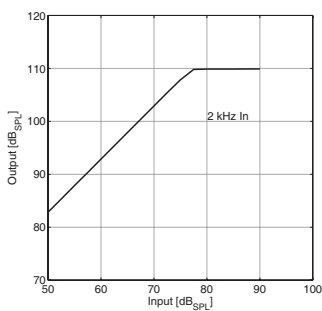
FREQUENCY RESPONSE @ RTS @ IEC 60118-7:2005



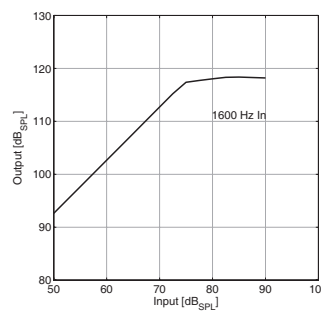
FREQUENCY RESPONSE @ RTS @ IEC 60118-0:1983/A1:1994



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



INPUT-OUTPUT @ RTS @ IEC 60118-0:1983/A1:1994




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## 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	CONTINUED WORKING

### 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

	m2 ITC
Nominal Operating Voltage	1.4 V
Current Type	Direct current DC
Nominal Current Leakage	0.69 mA
Battery Nomenclature (IEC 60086)	PR41

PRODUCT	REFERENCE	MODEL	GTIN-13
m2 ITC	93515	FP m2 ITC L	8435281311897
	93516	FP m2 ITC R	8435281311903

GMDN Code: 41209

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