

M-34 Digital STD Rev.C

microson



- ① Ear Hook
- ② Microphone
- ③ Switch (M/T)
- ④ Volume Control
- ⑤ Battery compartment (Type 13)
- ⑥ Trimmers cover (NH, PC)

DESCRIPTION

Behind The Ear air conduction hearing aid (BTE), 13 Battery, M-T Switch (Microphone-Telecoil) 2 trimmers (NH,PC) and Volume Control. Battery Door with ON/OFF Functionality.

INTENDED USE

The MICROSON M-34 Digital STD (Rev.C) hearing instrument is indicated to compensate from moderate to severe transmissive hearing losses. It is not suitable for children.

See Fitting Range⁽¹⁾

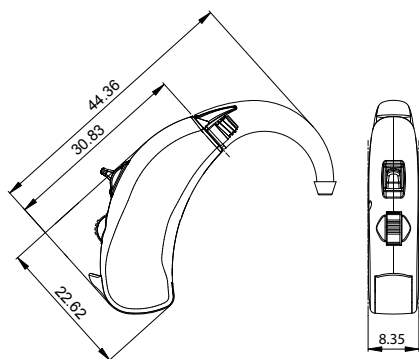
Features

- ✓ Matrix 131/54 @ 2cc
- ✓ 100% Digital Technology
- ✓ 2 Channels
- ✓ 2 Trimmer Controls (NH, PC)
- ✓ Switch (M / T)
- ✓ Feedback canceller
- ✓ Battery compartment with ON / OFF function
- ✓ Low Battery Indicator
- ✓ Small Size
- ✓ Fully compatible with mobile phones*
- ✓ Battery 13 Type - PR48 (IEC 60086)

Requirements

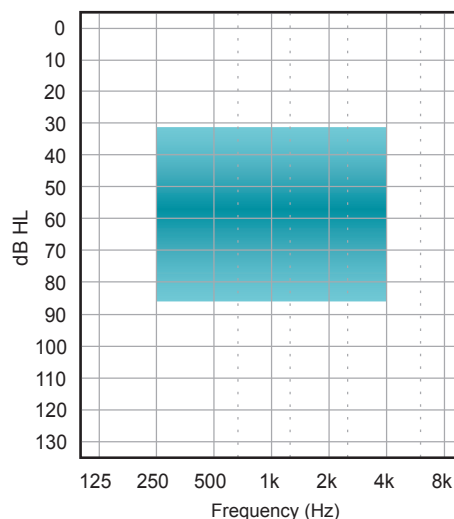
- ✓ No programming unit required

Weight & Dimensions



Weight excluding battery: 3.6 gr.
Weight including battery: 4.44 gr
Dimensions in millimeters (mm)

Fitting Range⁽¹⁾



*In compliance with IEC 60118-13

DS-0012-008-EN
Rev.D 2016/12/05

M-34 Digital STD Rev.C
1 of 4

	Acoustic Data	IEC 60118-7:2005	IEC 60118-0:1993/ A1:1994
OUTPUT	OSPL ¹ 90 Peak (dB _{SPL})	131	134
	OSPL90 Peak Frequency (Hz)	1200	1300
	HFA ² -OSPL90 / RTF ³ -OSPL90 (dB _{SPL})	123	129
GAIN	HFA-FOG ⁴ (dB)	47	54
	RTF-FOG (dB)	45	53
	FOG (dB)	54	58
	FOG Frequency (Hz)	1200	2600
	RTG ⁵ (dB)	45	53
NOISE	Equivalent Input Noise (dB _{SPL})	15	16
AGC ⁶	Attack Time (ms)	2	3
	Release Time(ms)	18	4
TELECOIL	HFA-SPLI ⁷ / RTF-SPLI (dB _{SPL})	105	113
	HFA-FOG-MASL ⁸ / RTF-FOG-MASL @ 1 mA/m (dB _{SPL})	77	83
	500 Hz @ 100 mA/m (THD %)	N/A	N/A
	800 Hz @ 100 mA/m (THD %)	1,3	3,1
	1600 Hz @ 100 mA/m (THD %)	1,1	1,5
DISTORTION	500 Hz @ 70 dB _{SPL} (THD %)	0,8	0,8
	800 Hz @ 70 dB _{SPL} (THD %)	0,4	0,7
	1600 Hz @ 65 / 70 dB _{SPL} (THD %)	0,3	0,4
CONSUMPTION	Current Drain (mA)	0,59	0,58
FREQUENCY LIMITS	f ₁ (Hz)	100	200*
	f ₂ (Hz)	4900	4900*

Power Source: 1.3V Battery Simulator

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

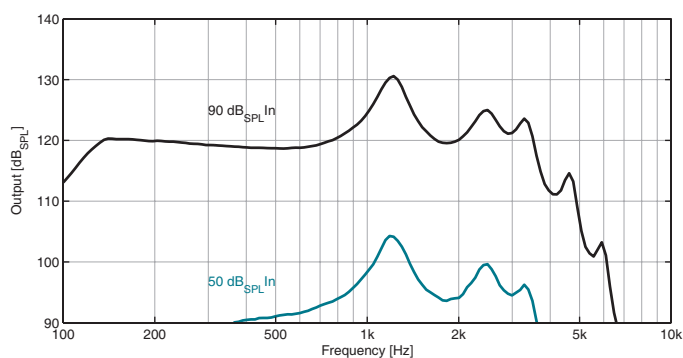
⁶AGC: Automatic Gain Control

⁷SPLI: Sound Pressure Level Inductive

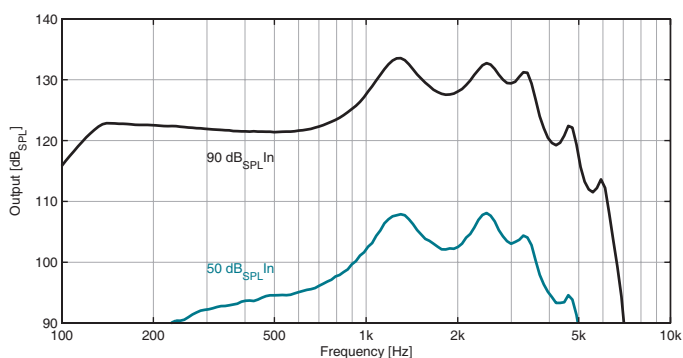
⁸MASL: Magneto Acoustical Sensitivity Level

* According to DIN 45605 standard

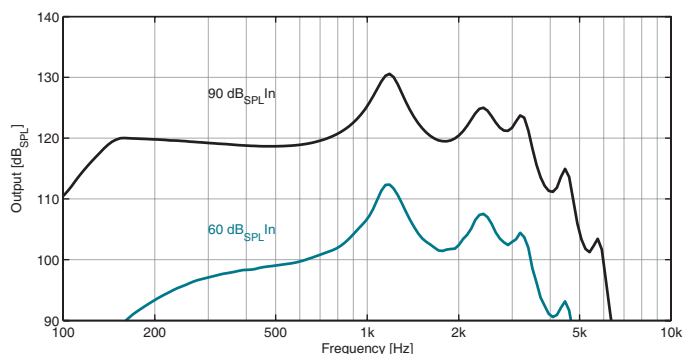
OSPL90 / OSPL50 @ FOG @ IEC 60118-7:2005



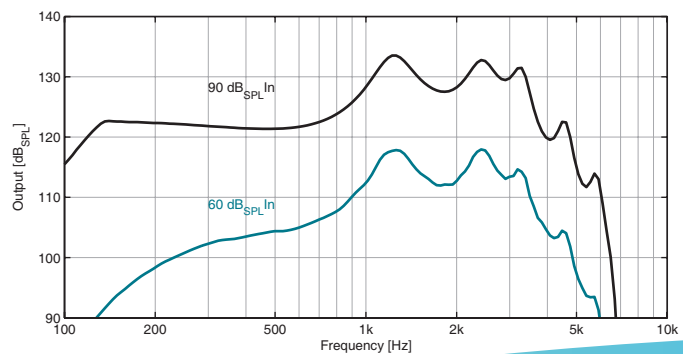
OSPL90 / OSPL50 @ FOG @ IEC 60118-0:1993/A1:1994



FREQUENCY RESPONSE @ RTS @ IEC 60118-7:2005



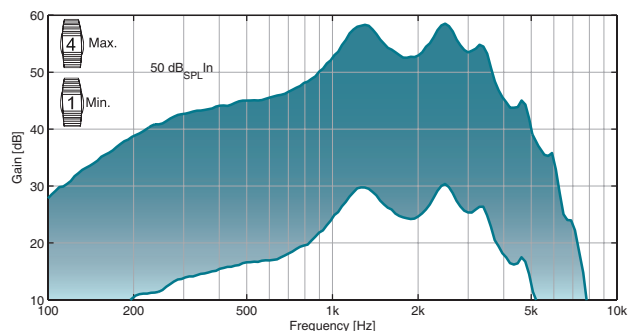
FREQUENCY RESPONSE @ RTS @ IEC 60118-0:1993/A1:1994



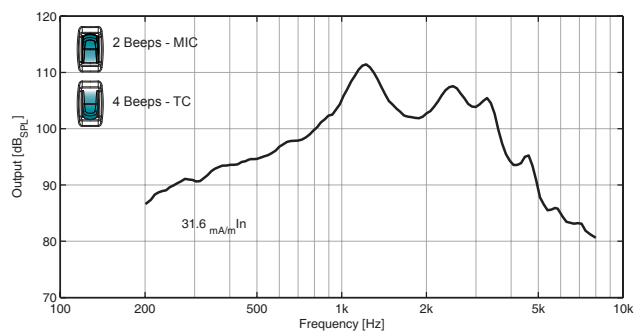
DS-0012-008-EN
Rev.D 2016/12/05

M-34 Digital STD Rev.C
2 of 4

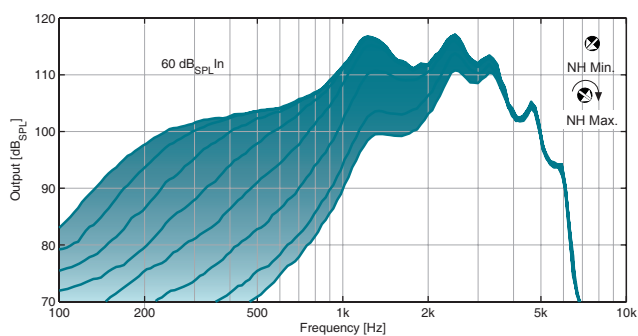
FREQUENCY RESPONSE @ VOL. CTRL. @ IEC 60118-0:1993/A1:1994



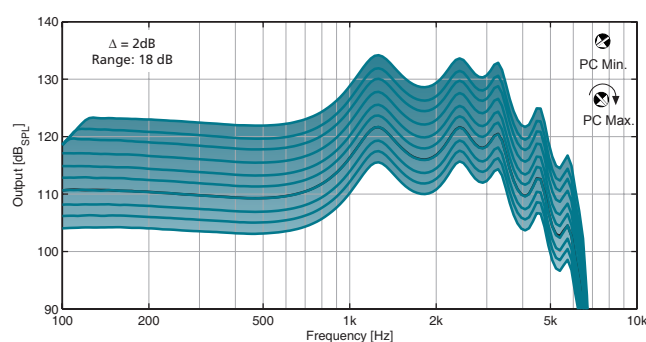
INDUCTION COIL SENSITIVITY @ RTS @ IEC 60118-7:2005



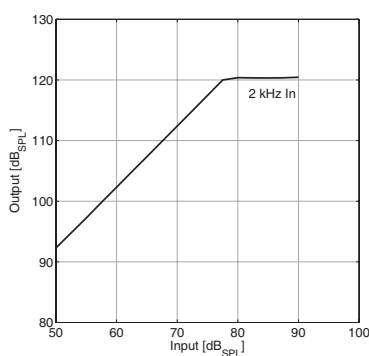
FREQUENCY RESPONSE @ NH CTRL. @ IEC 60118-0:1993/A1:1994



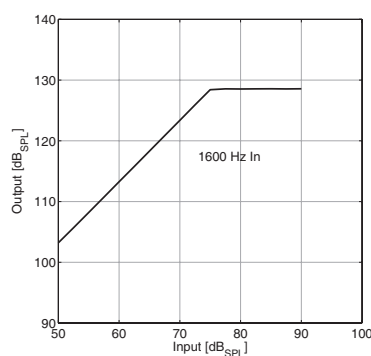
FREQUENCY RESPONSE @ PC CTRL. @ IEC 60118-0:1993/A1:1994



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



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



Spare Parts

91521 Earhook P13 M1 (5pcs)
91210 M-34 Digital STD Blue&Red Label lid set
74474 M-34 Digital STD Label Lid (10 pcs)
79431 Windscreen BTE Beige (10 pcs)

User Manual

91360 User Manual M-34 Digital BTE (LP2) (ES/EN/IT/PT/FR)
91588 User Manual M-34 Digital BTE (LP3) (EN/TR/RO/BG/EL/PL)

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

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

	M-34 Digital STD
Nominal Operating Voltage	1.4 V
Current Type	Direct current DC
Nominal Current Leakage	0,58 mA
Battery Nomenclature (IEC 60086)	PR48

PRODUCT	REFERENCE	MODEL	GTIN-13
M34 DIGITAL BTE	73232	M 34 DIGITAL STD	8435281304431

GMDN Code: 34671