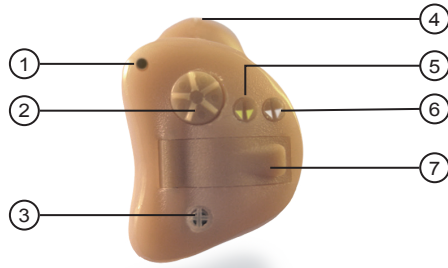
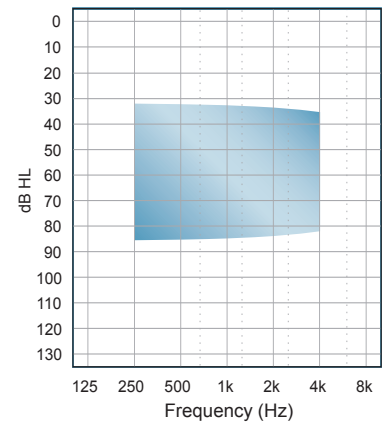


# M-34 Digital ITC



- ① Venting
- ② Volume Control
- ③ Microphone
- ④ Filter
- ⑤ NH- Tone Control
- ⑥ PC- Maximum Output Level
- ⑦ Battery compartment (Type 312)

(1) Fitting Range



## DESCRIPTION

According to the M-34 Digital family, M-34 Digital ITC fully digital hearing aid with two channels and WDRC processing strategy. Its 2 Digital Trimmers and its powerful matrix, offers to the hearing care professional an easier fitting process with high reliability.

**Intended use:** Indicated to compensate from mild to severe hearing loss (mixed and transmissive). Its use is not intended for children or people with mental disabilities.

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

	Acoustic Data	IEC	IEC
		60118-7:2005	60118-0:1994 A1:1994
OUTPUT	OSPL <sup>1</sup> <sub>90</sub> Peak (dB <sub>SPL</sub> )	118	128
	OSPL <sub>90</sub> Peak Frequency (Hz)	3000	3100
	HFA <sup>2</sup> -OSPL <sub>90</sub> / RTF <sup>3</sup> -OSPL <sub>90</sub> (dB <sub>SPL</sub> )	114	122
GAIN	HFA-FOG <sup>4</sup> (dB)	38	50
	FOG (dB)	47	57
	FOG Frequency (Hz)	3000	3000
	RTG <sup>5</sup> (dB)	38	49
NOISE	Equivalent Input Noise (dB <sub>SPL</sub> )	27	26
AGC <sup>6</sup>	Attack Time (ms)	1	1
	Release Time (ms)	7	10
DISTORTION	500 Hz @ 70 dB <sub>SPL</sub> (% THD)	0.2	1.6
	800 Hz @ 70 dB <sub>SPL</sub> (% THD)	0.2	1.4
	1600 Hz @ 65 / 70 dB <sub>SPL</sub> (% THD)	0.5	1.1
CONSUMPTION	Current Drain (mA)	0.73	0.70
FREQUENCY LIMITS	f <sub>1</sub> (Hz)	<200	100*
	f <sub>2</sub> (Hz)	6200	7500*

Power Source: 1.3 V Battery Simulator

## Features

- ✓ Matrix 118/47 @ 2cc
- ✓ 100% Digital Technology
- ✓ 2 Channels
- ✓ 2 Controls (NH, PC)
- ✓ Nanoproof Coating<sup>(2)</sup>
- ✓ Tamaño reducido
- ✓ Battery compartment with ON / OFF function
- ✓ Suitable for Mobile Phones<sup>(3)</sup>
- ✓ Battery 312 Type - PR41 (IEC 60086)

## Requirements

- ✓ No programming unit required.

## User Manual

81465 User manual M-34 Digital ITC/CIC (ES/EN/DE/IT/PT/FR/TR)

<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

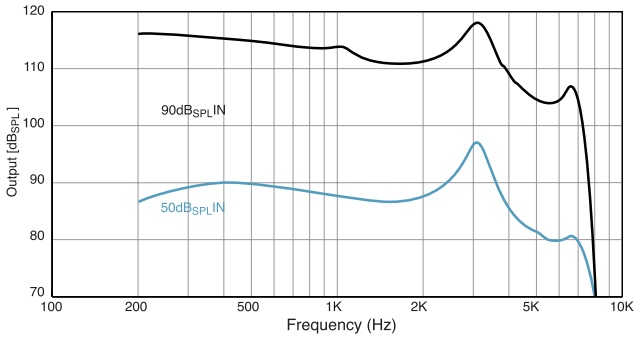
<sup>6</sup>AGC= Automatic Gain Control

\*According to DIN 45605 standard

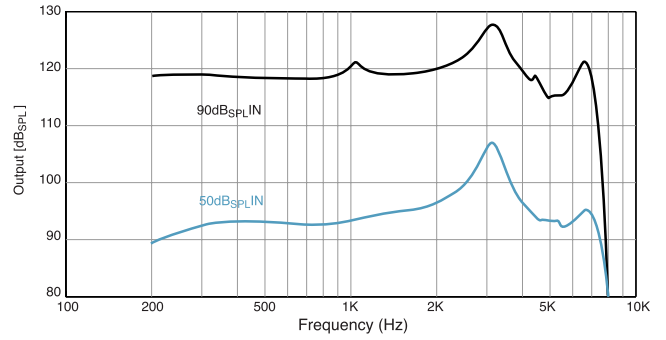
(2) Nanometric Coating protection against intrusion of particles

(3) In compliance with IEC 60118-13

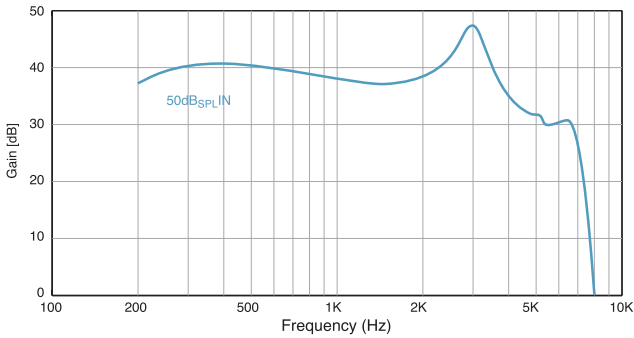
OSPL90 / FOG @ IEC 60118-7:2005



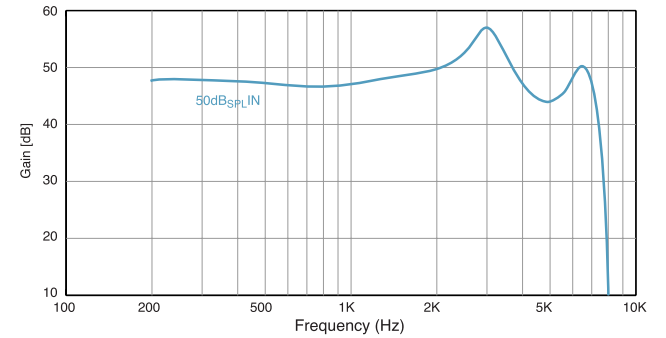
OSPL90 / FOG @ IEC 60118-0:1993/A1:1994



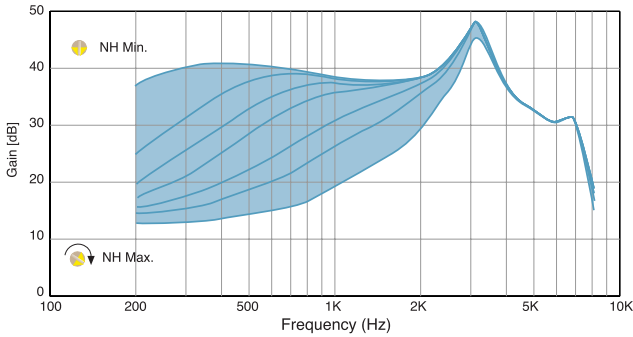
FREQUENCY RESPONSE @ IEC 60118-7:2005



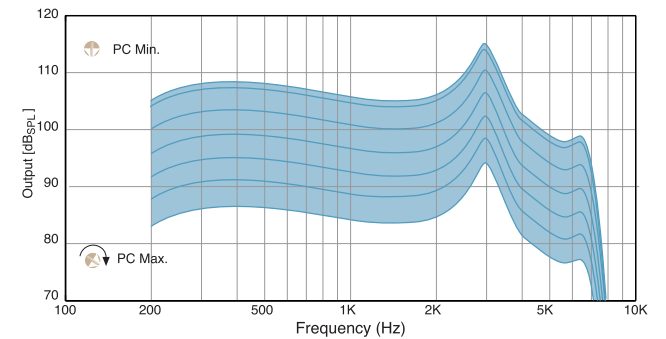
FREQUENCY RESPONSE @ IEC 60118-0:1993/A1:1994



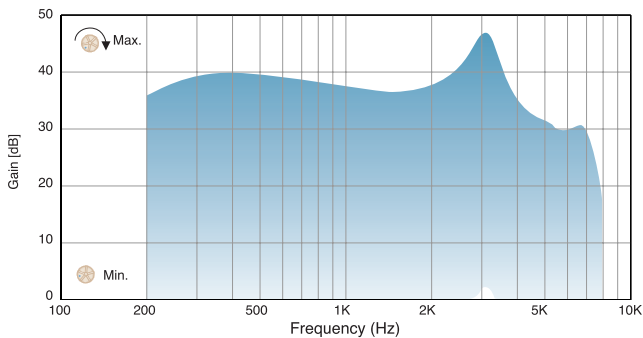
FREQUENCY RESPONSE @ NH CTRL. @ IEC 60118-7:2005



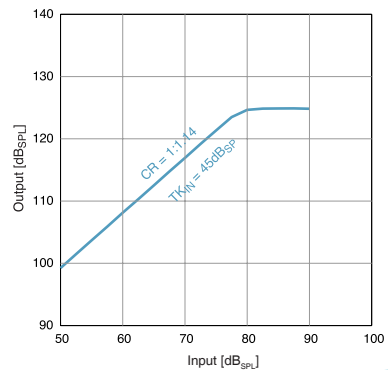
FREQUENCY RESPONSE @ PC CTRL. @ IEC 60118-7:2005



FREQUENCY RESPONSE @ VOL. CTRL. @ IEC 60118-7:2005




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



Measurements performed using a UPL 66 (Rohde & Schwarz) Id 23564 test unit on June 2010 and are subject to changes without prior notice.

## HEARING INSTRUMENT CLASSIFICATION IN COMPLIANCE WITH EN 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	CONTINUOUS WORKING

### Power Supply Electrical Features

Nominal Operating Voltage	1.4 V
Current Type	Direct current DC
Nominal Current Leakage	0.70 mA
Battery Nomenclature (EN 60086)	PR41

### 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

PRODUCT	REFERENCE	MODEL	GTIN-13
M- 34 DIGITAL ITC	73261	FP M34 DIGITAL ITC R	8435281304387
	73262	FP M34 DIGITAL ITC L	8435281304394

GMDN Code: 41209