

Description

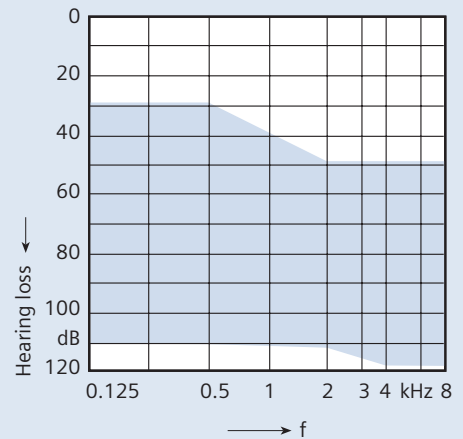
- Programmable BTE instrument
- Optimized solution for severe to profound hearing loss
- High performance directional microphone (TwinMic™)
- Highspeed automatic feedback cancellation
- Adaptive noise reduction
- 4 adjustable compression channels with 1 configurable cross over frequency
- 4 individual hearing programs for microphone telecoil and audio input
- Programmable volume control
- Compatible with usual in trade FM-systems
- Professional and efficient fitting with the workflow oriented CONNEXX™ software

Amplifier

- Fully digital 4-channel BTE instrument

Standard Features

- Nanocoated housing
- Telecoil
- Audio input
- Volume control
- Battery compartment with ON/OFF function
- Push button for program selection with alert tones for program change
- Battery type 675
- Alert tones for low battery voltage



Options

- Housing in beige, granite, black, brown and grey
- Colour conversion kits in silver, pearl white, baby pink and blue
Transparent colour conversion kits in transparent and fashion colours: pink, purple, orange, green and blue

Accessories

- Small earhook
- Eyeglass adapter
- Audio shoe

Intuis SP DIR Technical Data

	Ear simulator	2 ccm coupler	
	IEC 118-0/A1	IEC 118-7/A1	Standard ANSI S3.22-2003 IEC 60118-7:2005
Output Sound Pressure Level (OSPL)			
at 1.6 kHz	135 dB	129 dB	–
Peak	141 dB	138 dB	138 dB
HFA ⁶ -OSPL 90	–	–	131 dB
Gain (Input 50 dB)			
Full-on Gain (FOG) at 1.6 kHz	77 dB	70 dB	–
Full-on Gain (Peak)	83 dB	80 dB	80 dB
HFA-FOG	–	–	72 dB
Reference Test Gain	60 dB	54 dB	55 dB
Frequency Range			
Low frequency limit	120 Hz*	< 100 Hz*	< 100 Hz
High frequency limit	5900 Hz*	5700 Hz*	5700 Hz
Total Harmonic Distortion			
500 Hz	3 %	3 %	3 %
800 Hz	2 %	2 %	2 %
1600 Hz	1 %	1 %	1 %
Equivalent Input Noise	17 dB	17 dB	15 dB
Induction Coil Sensitivity			
MASL ¹ (1mA/m) at 1.6 kHz	107 dB	100 dB	–
HFA SPLITS ² (left/right)	–	–	116/109 dB
STS ³ (left/right)	–	–	1/-6 dB
AGC-O (CK = 21 dB, 1 kHz)			
Attack time	3 ms	3 ms	3 ms
Release time	100 ms	100 ms	100 ms
Battery Voltage	1.3 V	1.3 V	1.3 V
Battery Current	1.0 mA	1.0 mA	1.6 mA
Battery Life Type 675 Cell Zinc-Air	~480 h	~480 h	~300 h
IRIL⁴ IEC 118-13 (bystander condition)			
800-960 MHz	-10 dB	-10 dB	–
1400-2000 MHz	-5 dB	-5 dB	–
AI-DI⁵	–	4.0	–

* According to DIN 45605

¹ MASL = **M**agneto **A**coustical **S**ensitivity **L**evel

² SPLITS = Coupler **SPL** for an **I**nductive **T**elephone **S**imulator according to ANSI

³ STS = **S**imulated **T**elephone **S**ensitivity according to ANSI

⁴ IRIL = **I**nterference **R**elated **I**nterference **L**evel

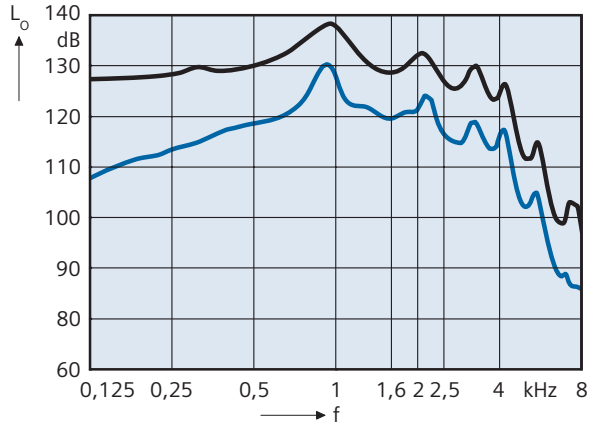
⁵ AI-DI = **A**rticulation **I**ndex – **W**eighted **D**irectivity **I**ndex

⁶ HFA = **H**igh **F**requency **A**verage

Intuis SP DIR Basic Data

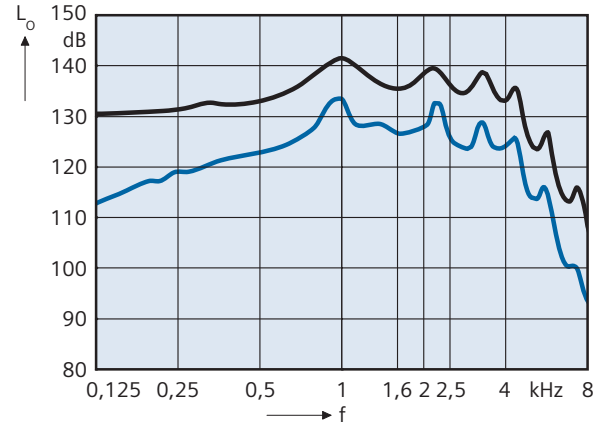
Output Sound Pressure Level ($L_i = 90$ dB)
Full-on Gain ($L_i = 50$ dB)

IEC 118-7/A1; IEC 60118-7:2005; ANSI S3.22-2003



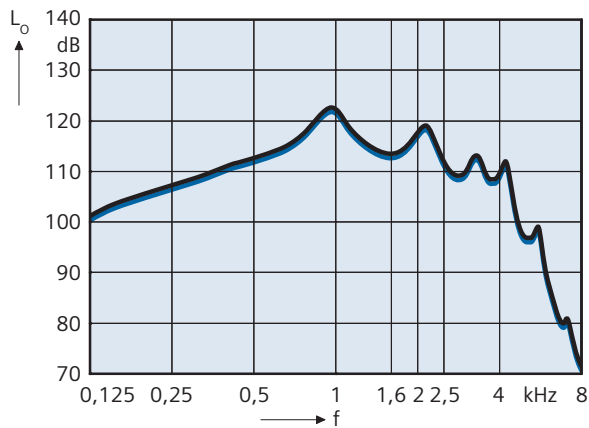
Output Sound Pressure Level ($L_i = 90$ dB)
Full-on Gain ($L_i = 50$ dB)

IEC 118-0/A1



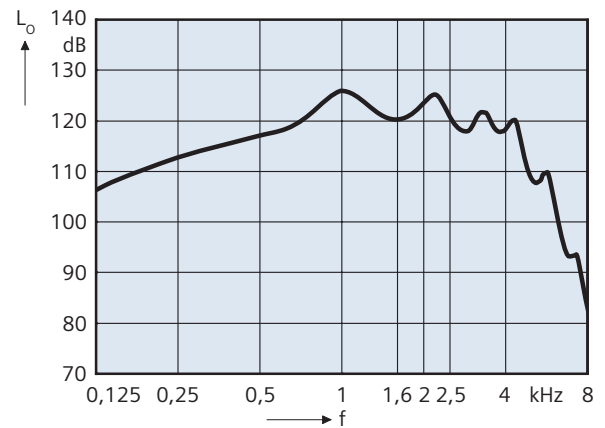
Frequency Response ($L_i = 60$ dB)
Basic Frequency Response ($L_i = 60$ dB)

IEC 118-7/A1; IEC 60118-7:2005; ANSI S3.22-2003



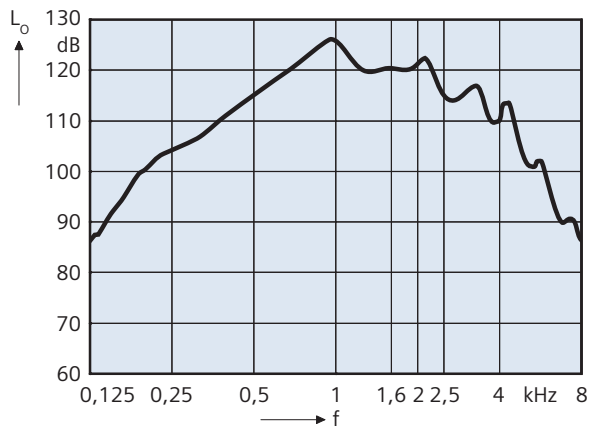
Basic Frequency Response ($L_i = 60$ dB)

IEC 118-0/A1



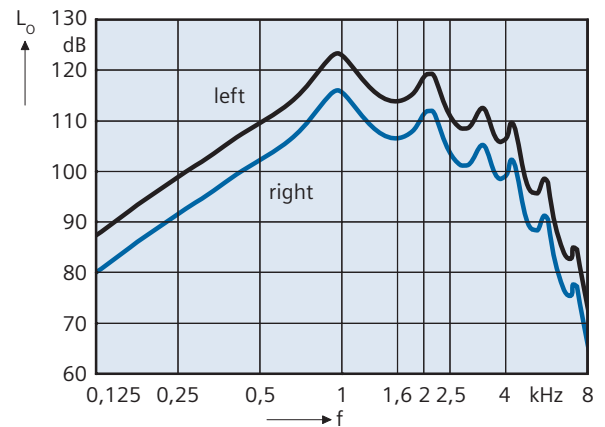
Inductive Response ($H = 10$ mA/m)

IEC 118-7/A1; IEC 60118-7:2005



SPLITS curve left
SPLITS curve right

ANSI S3.22-2003

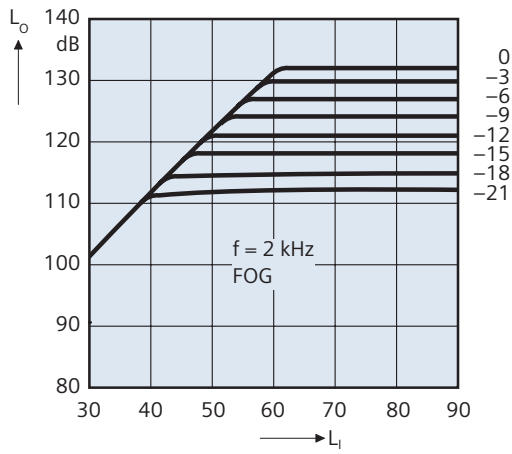


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Compression

AGC-0 – Effect of MPO-Control
(FOG, $f = 2$ kHz, Range from 0 to -21 dB)

IEC 60118-7:2005; ANSI S3.22-2003



Intuis SP DIR Basic Data

BTE instrument-order number

- 101 473 85 beige
101 720 63 granite
101 720 65 black
101 736 03 brown
101 736 08 grey

Accessories

- Type plate set
Order number: 101 473 82
- Eyeglass adapter, transparent
Order number: 072 278 74
- Earhook small set, transparent
Order number: 072 126 78
- Audio shoe, transparent
Order number: 100 546 17
- Colour conversion kit, silver
Order number: 101 726 23
- Colour conversion kit, pearl white
Order number: 101 733 22
- Colour conversion kit, transparent
Order number: 101 726 15
- Colour conversion kit, transparent blue
Order number: 101 726 16
- Colour conversion kit, transparent green
Order number: 101 726 17
- Colour conversion kit, transparent purple
Order number: 101 726 18
- Colour conversion kit, transparent pink
Order number: 101 726 19
- Colour conversion kit, transparent orange
Order number: 101 726 20
- Colour conversion kit, baby pink
Order number: 101 731 84
- Colour conversion kit, baby blue
Order number: 101 731 85

Intuis SP DIR Basic Data

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D-91058 Erlangen

<http://www.hoergeraete-siemens.de>
<http://www.hearing-siemens.com>

Änderungen vorbehalten/
Subject to change

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