

### Description

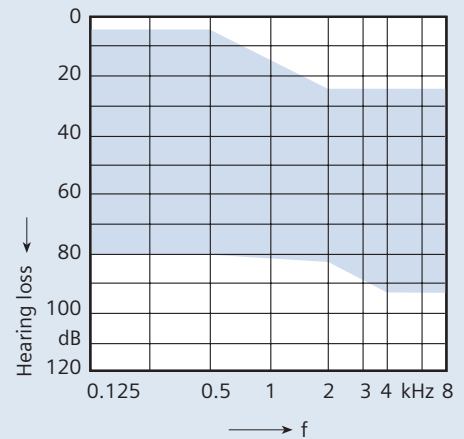
- Programmable BTE instrument
- Optimized solution for mild to moderate hearing loss
- High performance directional microphone (TwinMic™)
- Highspeed automatic feedback cancellation
- Adaptive noise reduction
- 4 adjustable compression channels with 1 configurable cross over frequency
- 4 individual hearing programs for microphone and telecoil
- Professional and efficient fitting with the workflow oriented CONNEXX™ software

### Amplifier

- Fully digital 4-channel BTE instrument

### Standard Features

- Push button for program selection with alert tones for program change
- Battery compartment with ON/OFF function
- Nanocoated housing
- Battery type 13
- Alert tones for low battery voltage
- Telecoil



### Options

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

### Accessories

- Small earhook
- Eyeglass adapter

# Intuis S 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
<b>Saturation Sound Pressure Level (OSPL)</b>			
at 2.5 kHz	132 dB	123 dB	–
Peak	132 dB	124 dB	124 dB
HFA <sup>6</sup> -OSPL 90	–	–	122 dB
<b>Gain (Input 50 dB)</b>			
Full-on Gain (FOG) at 2.5 kHz	63 dB	54 dB	–
Full-on Gain (Peak)	64 dB	55 dB	55 dB
HFA-FOG	–	–	51 dB
Reference Test Gain	55 dB	47 dB	45 dB
<b>Frequency Range</b>			
Low frequency limit	280 Hz*	130 Hz*	100 Hz
High frequency limit	6300 Hz*	6100 Hz*	6300 Hz
<b>Total Harmonic Distortion</b>			
500 Hz	3 %	3 %	3 %
800 Hz	2 %	2 %	2 %
1600 Hz	1 %	1 %	1 %
<b>Equivalent Input Noise</b>	18 dB	16 dB	19 dB
<b>Induction Coil Sensitivity</b>			
MASL <sup>1</sup> (1mA/m) at 2.5 kHz	92 dB	85 dB	–
HFA SPLITS <sup>2</sup> (left/right)	–	–	104/102 dB
STS <sup>3</sup> (left/right)	–	–	–1/–3 dB
<b>AGC-O (–21 dB)</b>			
Attack time	5 ms	5 ms	5 ms
Release time	95 ms	95 ms	95 ms
<b>Battery Voltage</b>	1.3 V	1.3 V	1.3 V
<b>Battery Current Drain</b>	0.7 mA	0.7 mA	0.8 mA
<b>Battery Life</b> Type 13 Cell Zinc-Air	~320 h	~320 h	~280 h
<b>IRIL<sup>4</sup> IEC 118-13</b> (bystander condition)			
800-960 MHz	–10 dB	–10 dB	–
1400-2000 MHz	–10 dB	–10 dB	–
<b>AI-DI<sup>5</sup></b>	3.5	3.5	3.5

\* According to DIN 45605

<sup>1</sup> MASL = **M**agneto **A**coustical Sensitivity Level

<sup>2</sup> SPLITS = Coupler **SPL** for an Inductive Telephone Simulator according to ANSI

<sup>3</sup> STS = **S**imulated Telephone Sensitivity according to ANSI

<sup>4</sup> IRIL = Input Related Interference Level

<sup>5</sup> AI-DI = **A**rticulation Index – **D**irectivity Index

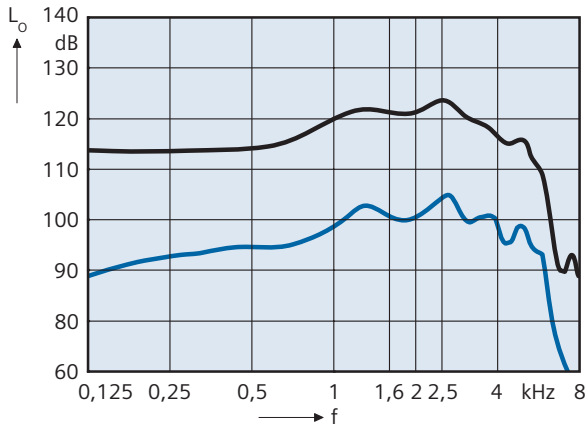
<sup>6</sup> HFA = **H**igh **F**requency **A**verage

# Intuis S DIR Basic Data

Output Sound Pressure Level ( $L_i = 90$  dB)

Full-on Gain ( $L_i = 50$  dB)

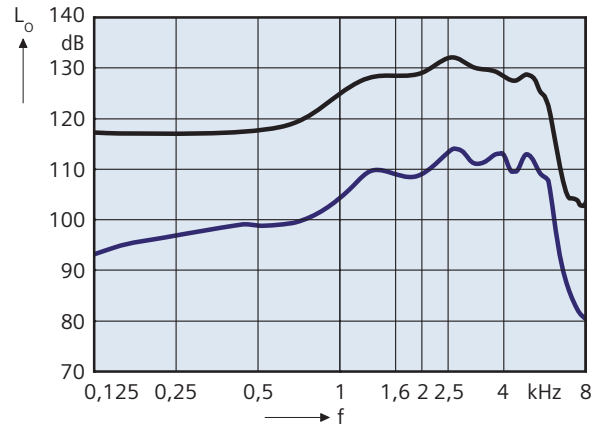
IEC 118-7/A1; IEC 60118-7:2005; ANSI S3.22-2003



Output Sound Pressure Level ( $L_i = 90$  dB)

Full-on Gain ( $L_i = 50$  dB)

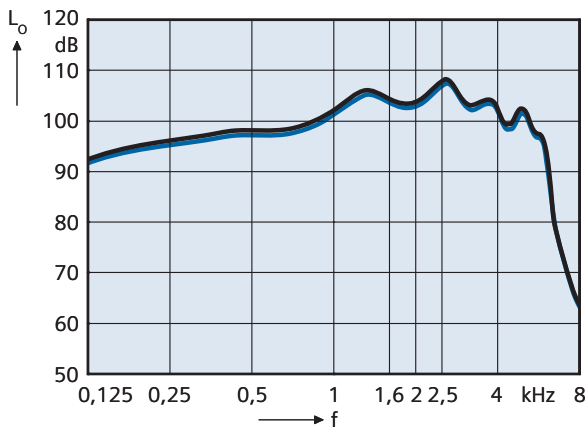
IEC 118-0/A1



Frequency Response ( $L_i = 60$  dB)

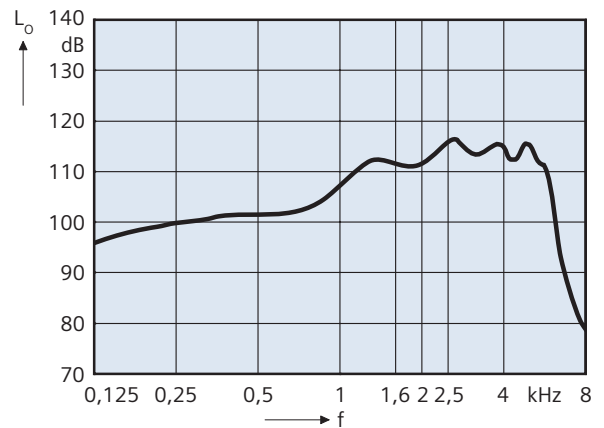
Basic Frequency Response ( $L_i = 60$  dB)

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



Basic Frequency Response ( $L_i = 60$  dB)

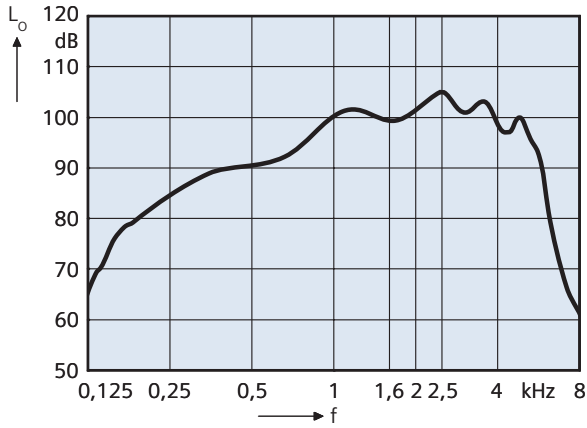
IEC 118-0/A1



# Intuis S DIR Basic Data

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

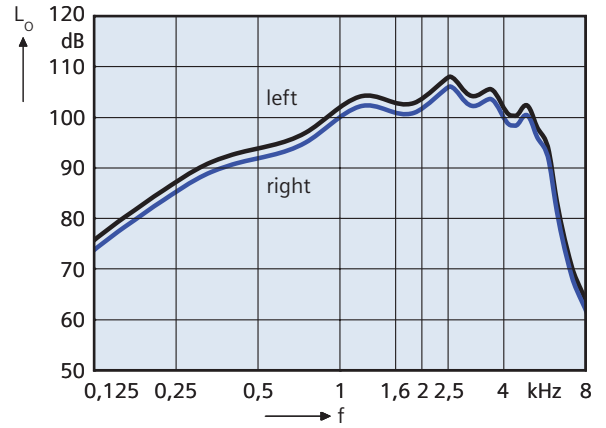
IEC 118-7/A1; IEC 60118-7:2005



## SPLITS curve left (H = 31.6 mA/m)

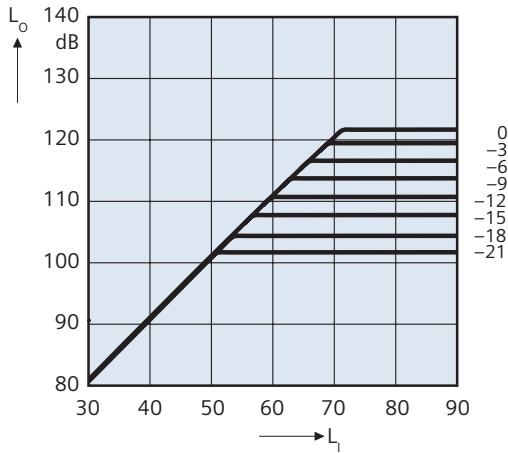
## SPLITS curve right (H = 31.6 mA/m)

ANSI S3.22-2003



## Effect of MPO-Control (FOG, f = 2 kHz)

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



# Intuis S DIR Basic Data

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## BTE instrument-order number

- 101 720 29 beige  
101 720 53 granite  
101 720 55 black  
101 735 85 bown  
101 735 86 grey

## Accessories

- Type plate set  
Order number: 101 722 71
- Eyeglass adapter, transparent  
Order number: 101 721 72
- Earhook small set, transparent  
Order number: 101 721 70
- Colour conversion kit, silver  
Order number: 101 722 67
- Colour conversion kit, pearl white  
Order number: 101 733 25
- Colour conversion kit, transparent  
Order number: 101 722 62
- Colour conversion kit, transparent pink  
Order number: 101 722 57
- Colour conversion kit, transparent purple  
Order number: 101 722 58
- Colour conversion kit, transparent orange  
Order number: 101 722 59
- Colour conversion kit, transparent green  
Order number: 101 722 60
- Colour conversion kit, transparent blue  
Order number: 101 722 61

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

Änderungen vorbehalten/  
Subject to change

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