

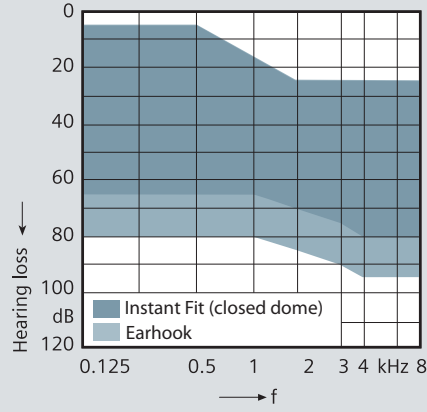
IMPACT Pro M

Dijital programlanabilir işitme cihazı



BestSound™
Technology

Fitting Alanı (NAL-NL1)



Açıklama

- Hafif ve orta dereceli işitme kayıpları için.

Odyolojik özellikler

- 12 kanal 24 bant (12 frekans bandı, 12 kompresyon bandı)
- Çift mikrofon
- Gürültü azaltma
- Feedback yönetimi
- VC Manuel ses kontrol
- FM uyumlu
- AGC Otomatik kazanç kontrol
- TC Tını kontrol
- PC Yüksek frekansta maksimum çıkış
- MPO Alçak frekansta maksimum çıkış
- AGC Otomatik kazanç kontrol

Standart Özellikler

- Program değişimi için uyarı tonlu program düğmesi
- Ses kontrol ve öğrenme
- Telecoil
- Doğrudan ses girişi
- Açma/kapama özellikli pil kapağı
- Nano kaplama kabin
- 13 numara pil

Aksesuar

- miniTek™ kumanda
- ConnexxLink
- S-LifeTube ve LifeTip
- Odyo pabucu

Teknik veri

SIEMENS

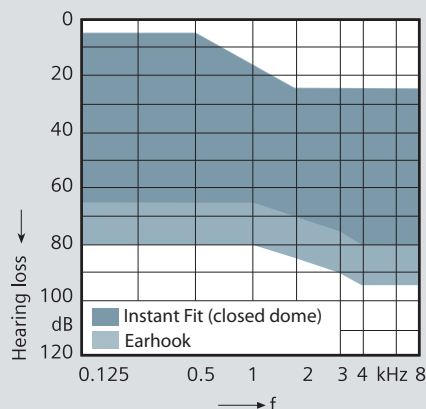
Technical Data

IMPACT Pro M



BestSound™
Technology

Fitting Range (as per NAL-NL1)



Description

- Appropriate for mild to moderate hearing losses

Audiological Features

- 12 channel frequency shaping
- 12 channel AGC-I and 12 channel AGC-O with 4 handles
- Automatic and multi channel adaptive directional microphone system
- Speech and Noise Management
- SoundSmoothing™ transient noise reduction
- FeedbackStopper
- SoundBrilliance™
- DataLearning™
- Frequency shape learning (using Tek)
- Binaural synchronisation with e2e wireless 2.0
- eWindScreen™, wind noise reduction system

Standard Features

- Push button for program selection with alert tones for program change
- Volume control and learning
- Telecoil
- Direct Audio Input
- Battery compartment with on/off function and battery compartment lock
- Nanocoated housing
- Battery type 13

Accessories

- Tek™ wireless enhancement system
- miniTek™ wireless enhancement system
- ProPocket™ remote control
- ConnexxLink for wireless programming
- S-LifeTubes and LifeTips in different sizes
- Earhook and small earhook
- Eyeglass adapter
- Audio shoe

IMPACT Pro M · Technical Data

	Earhook damped		Earhook undamped		S-LifeTube	
	2 ccm coupler	Ear simulator	2 ccm coupler	Ear simulator	2 ccm coupler	Ear simulator
	IEC 0118-7:2005 ANSI S3.22-2003	IEC 118-0/A1	IEC 0118-7:2005 ANSI S3.22-2003	IEC 118-0/A1	IEC 0118-7:2005 ANSI S3.22-2003	IEC 118-0/A1
Output Sound Pressure Level						
at 1.6 kHz	–	131 dB	–	135 dB	–	118 dB
Peak	126 dB	133 dB	130 dB	137 dB	124 dB	128 dB
HFA ¹ -OSPL 90	124 dB	–	126 dB	–	114 dB	–
Gain						
Full-on Gain (FOG) at 1.6 kHz	–	57 dB	–	70 dB	–	52 dB
Full-on Gain (Peak)	60 dB	68 dB	63 dB	71 dB	59 dB	64 dB
HFA-FOG	53 dB	–	57 dB	–	46 dB	–
Reference Test Gain	47 dB	51 dB	49 dB	56 dB	36 dB	39 dB
Frequency Range (*DIN 45605)						
Low frequency limit	100 Hz	110 Hz*	130 Hz	300 Hz*	100 Hz	100 Hz*
High frequency limit	7500 Hz	7700 Hz*	7500 Hz	7200 Hz*	7800 Hz	7800 Hz*
Total Harmonic Distortion						
500 Hz	3 %	3 %	3 %	3 %	1 %	1 %
800 Hz	3 %	3 %	3 %	3 %	1 %	1 %
1600 Hz	1 %	1 %	1 %	1 %	1 %	1 %
Equivalent Input Noise						
in typical listening situations	10 dB	10 dB	10 dB	10 dB	16 dB	16 dB
in test settings	16 dB	16 dB	16 dB	16 dB	22 dB	22 dB
Inductive Coil Sensitivity						
MASL ² (HFA-MASL*) (1mA/m)	83 dB*	90 dB	86 dB*	99 dB	74 dB*	81 dB
HFA SPLITS ³ (left/right)	104 / 108 dB	–	106 / 109 dB	–	93 / 96 dB	–
RSETS ⁴ (left/right)	-2 / 1 dB	–	-3 / 0 dB	–	-3 / 0 dB	–
AGC-O (fully activated)						
Attack time	4 ms	7 ms	4 ms	7 ms	4 ms	7 ms
Release time	620 ms	640 ms	620 ms	640 ms	620 ms	640 ms
Battery-Type 13						
Battery Voltage	1.3 V	1.3 V	1.3 V	1.3 V	1.3 V	1.3 V
Battery current drain	0.9 mA	0.9 mA	0.9 mA	0.9 mA	1.0 mA	1.0 mA
Battery life (Cell Zinc Air)	~250 h	~250 h	~250 h	~250 h	~220 h	~220 h
IRIL⁵ IEC 118-13:2004 (bystander)						
800-960 MHz				-12 dB		
1400-2000 MHz				-15 dB		
ANSI C63.19-2001				M4		
AI-DI⁶				3.9		

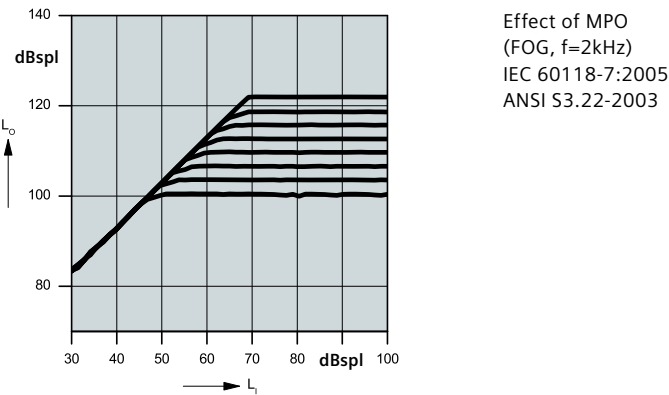
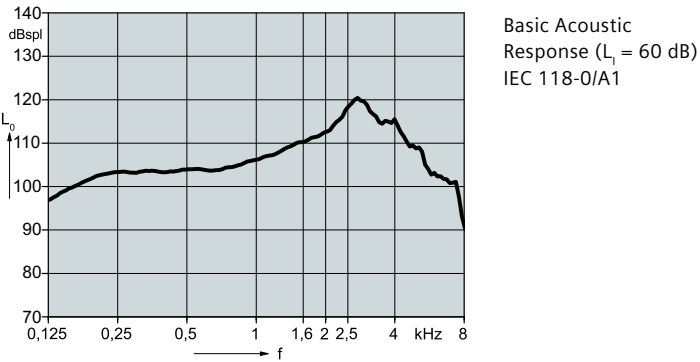
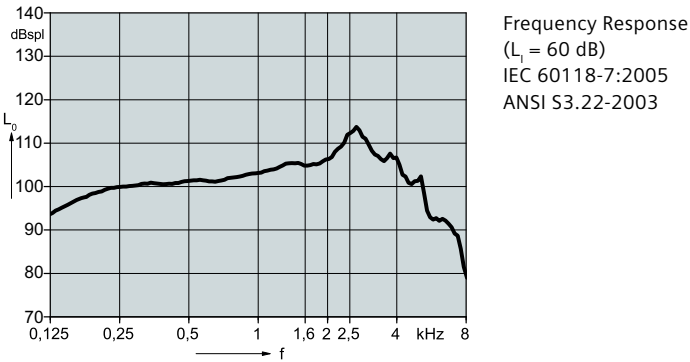
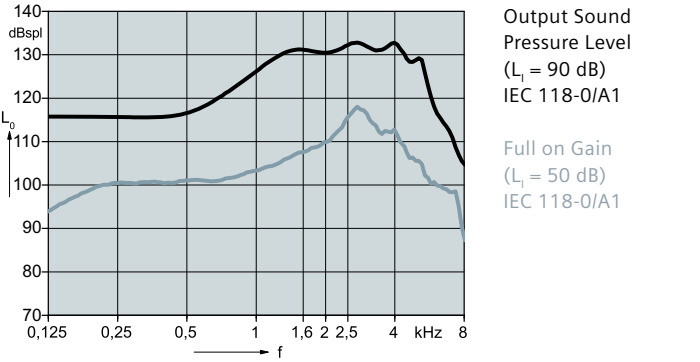
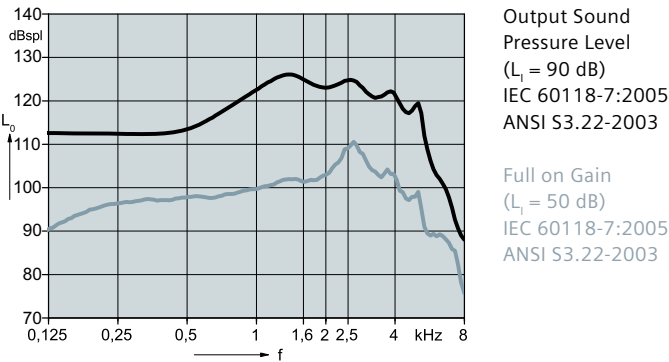
¹HFA= High Frequency Average ²MASL= Magneto Acoustical Sensitivity Level ³SPLITS=Coupler SPL for an Inductive Telephone Simulator

⁴RSETS=Relative Simulated Equivalent Telephone Sensitivity ⁵IRIL=Input Related Interference Level ⁶AI-DI=Articulation Index - Weighted Directivity Index

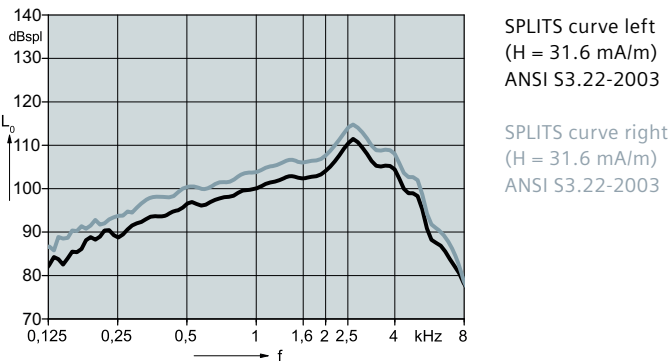
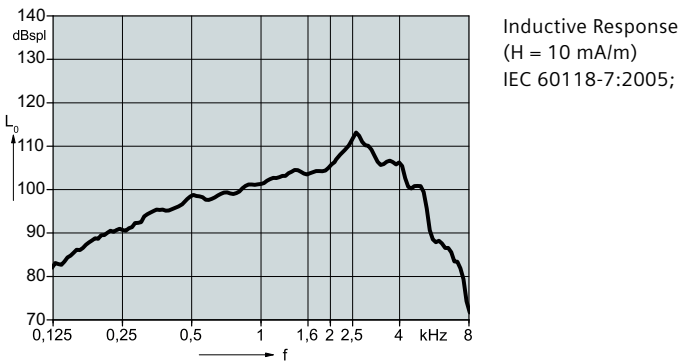
IMPACT Pro M · Basic Data (Earhook damped)

2 ccm coupler

Ear simulator

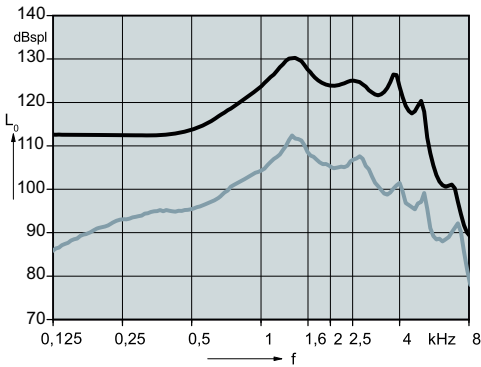


Inductive Response



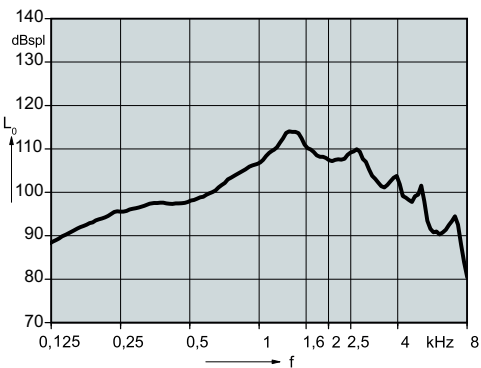
IMPACT Pro M · Basic Data (Earhook undamped)

2 ccm coupler

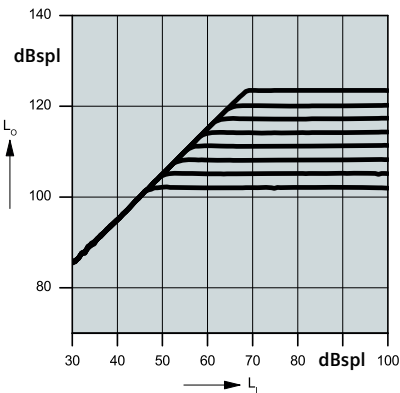


Output Sound Pressure Level
(L_i = 90 dB)
IEC 60118-7:2005
ANSI S3.22-2003

Full on Gain
(L_i = 50 dB)
IEC 60118-7:2005
ANSI S3.22-2003

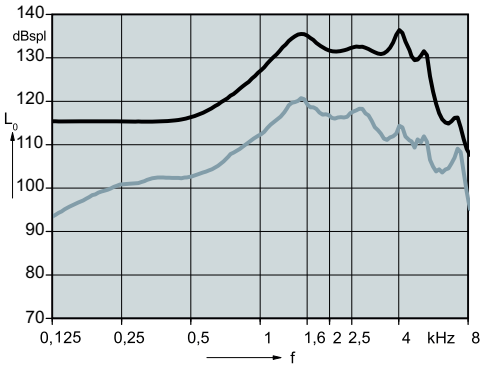


Frequency Response
(L_i = 60 dB)
IEC 60118-7:2005
ANSI S3.22-2003



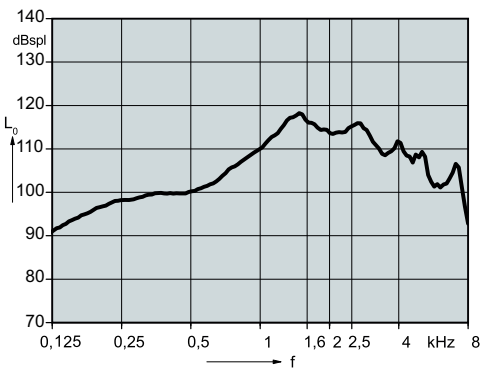
Effect of MPO
(FOG, f=2kHz)
IEC 60118-7:2005
ANSI S3.22-2003

Ear simulator



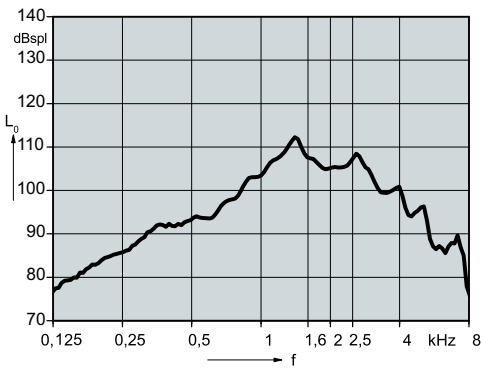
Output Sound Pressure Level
(L_i = 90 dB)
IEC 118-0/A1

Full on Gain
(L_i = 50 dB)
IEC 118-0/A1

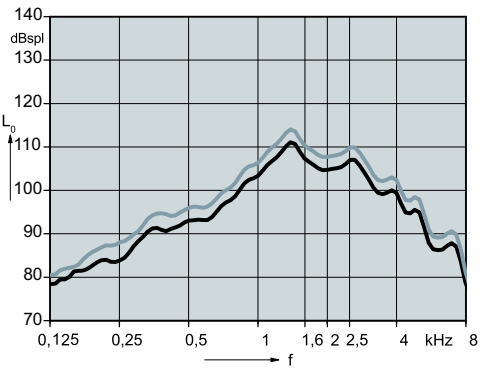


Basic Acoustic Response (L_i = 60 dB)
IEC 118-0/A1

Inductive Response



Inductive Response
(H = 10 mA/m)
IEC 60118-7:2005

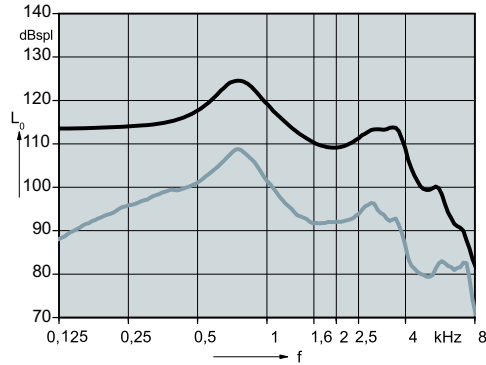


SPLITS curve left
(H = 31.6 mA/m)
ANSI S3.22-2003

SPLITS curve right
(H = 31.6 mA/m)
ANSI S3.22-2003

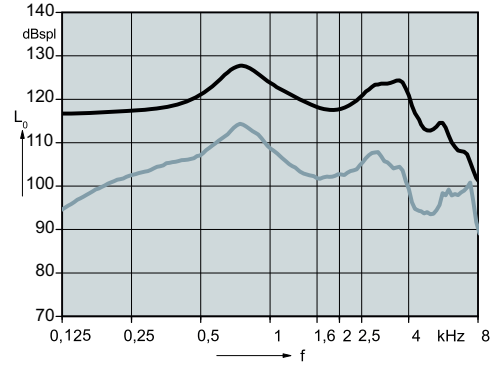
IMPACT Pro M · Basic Data (S-LifeTube™)

2 ccm coupler

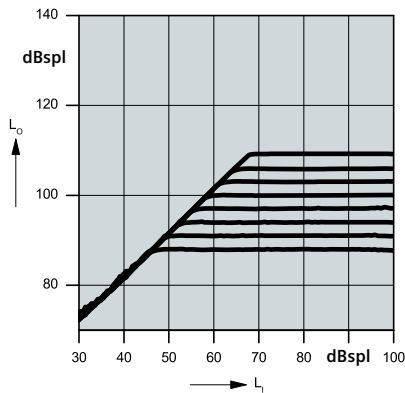
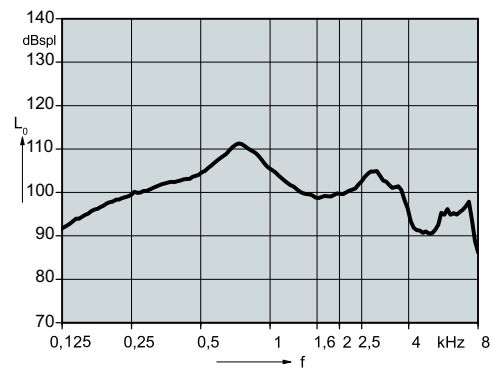
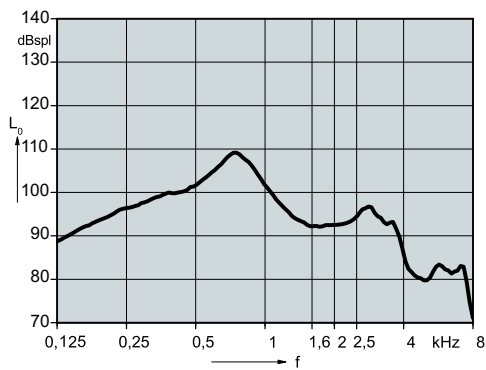


Full on Gain
($L_1 = 50$ dB)
IEC 60118-7:2005
ANSI S3.22-2003

Ear simulator

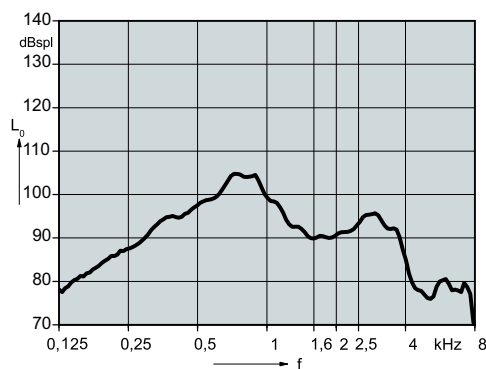


Full on Gain
($L_1 = 50$ dB)
IEC 118-0/A1

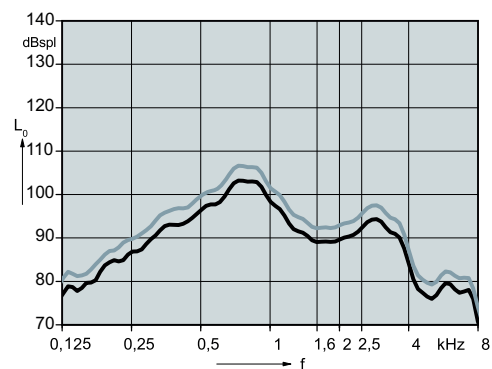


Effect of MPO
(FOG, $f=2$ kHz)
IEC 60118-7:2005
ANSI S3.22-2003

Inductive Response




Inductive Response
($H = 10$ mA/m)
IEC 60118-7:2005



SPLITS curve right
($H = 31.6$ mA/m)
ANSI S3.22-2003

IMPACT Pro M · Order numbers

IMPACT Pro M		Accessories	
• beige	106 054 10		• Type plate set IMPACT Pro M Order number: 106 055 48
• granite	106 056 05		• Eyeglass adapter Order number: 104 184 03
• brown	106 056 03		• Earhook, undamped Order number: 104 244 27
• black	106 056 01		• Earhook Order number: 104 244 29
• grey	106 707 86		• Earhook small Order number: 104 184 02
• silver	106 056 09		• Audio shoe transparent (L5) Order number: 100 548 30
• snow white	106 056 11		• Tek™ wireless enhancement system Order number: 104 172 68
• blue	106 684 96		• miniTek™ wireless enhancement system Order number: 106 034 93
• yellow	106 677 88		• ProPocket™ Order number: 104 172 40
• berry red	106 677 83		• ConnexxLink for wireless programming Order number: 104 236 64
• light blue	106 677 84		• S-LifeTube Fitting Set Order number: 102 969 92
• light pink	106 677 85		

WARNING

Instrument contains small parts.

Choking hazard!

- ▶ Do not use this instrument for the fitting of infants, small children or persons of mental incapacity.

WARNING

Instrument has an output sound pressure level of 132 dB SPL or more.

Risk of impairing the residual hearing of the user.

- ▶ Take special care when fitting this instrument.

The information in this document contains general descriptions of the technical options available, which do not always have to be present in individual cases and are subject to change without prior notice. The required features should therefore be specified in each individual case at the time of conclusion of the respective contract.

Find the current issue of this document under:
<http://factsandfigures.hearing-siemens.com>