Product Information

NEVARA 1

Nevara is a hearing instrument family with a remarkable basic feature set and remote control capability. The range of BTE, RITE, and ITE models offers lots of fitting options for you and your clients.

AFC Plus, ANR Plus, Speech Cue Priority™ and Directionality features are now included in this basic category. Plus fast and easy fittings will help enhance customer satisfaction.

BTE

NE 1 CPx | NE 1 P | NE 1 N | NE 1 NR

ITE

NE 1 ITED | NE 1 ITCD | NE 1 ITC | NE 1 CICP | NE 1 CICx

Audio Efficiency™

Speech
- ChannelFree™
- Speech Cue Priority™

Comfort
- Adaptive Feedback Canceller Plus
- Adaptive Noise Reduction Plus
- Binaural Coordination

Individualization
- Language Specific Targets
- REMfit™

Operating Conditions
- Temperature: +1°C to +40°C
- Humidity: 5 % to 93 %, non-condensing

Storage and Transportation Conditions
Temperature and humidity shall not exceed the below limits for extended periods during transportation and storage:
- Temperature: –25°C to +60°C
- Humidity: 5 % to 93 %, non-condensing

Additional Features

Technical Features
- Digital signal processing up to 8 kHz
- Multi-Environment Program
- Soft Noise Management
- Automatic Directionality
- Auto Telephone detection
- Telecoil
- Hydrophobic coating for all BTEs
- Dust and water protection for all BTEs
  - IP58 for CPx, P
  - IP57 for N, NR

Customization Features
- Data Logging
- Up to 7 listening program options
- 4 freely-assignable program slots
- RC-N compatible (wireless styles only)
- FittingLINK compatible (wireless styles only)
- DAI / FM adapter for CPx and P

bernafon
Your hearing · Our passion

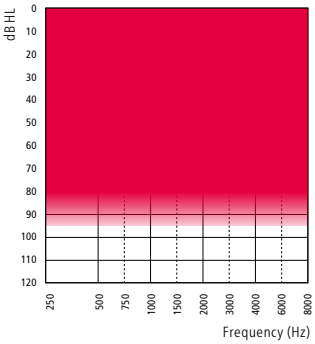
NEVARA 1 BTE PRODUCT OVERVIEW

NE 1 CPx Earhook | **NE 1 CPx Thin Tube 1.3** | **NE 1 CPx Thin Tube 0.9**

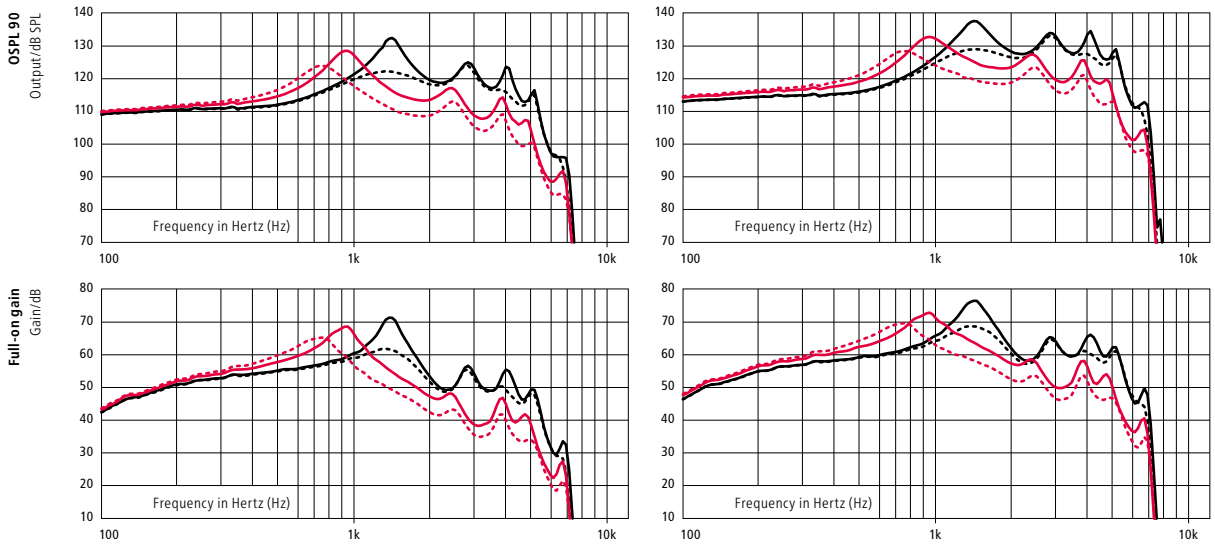
- Earhook without filter
- Earhook with filter
- Thin Tube 1.3 mm
- Thin Tube 0.9 mm

FCC ID: U6XF2BTE02
IC: 7031A-F2BTE02

Fitting Range – CPx



2cc Coupler | **Ear Simulator**



	2cc Coupler			Ear Simulator		
	EARHOOK	**THIN TUBE 1.3**	**THIN TUBE 0.9**	**EARHOOK**	**THIN TUBE 1.3**	**THIN TUBE 0.9**
OSPL90, Peak (dB SPL)	132*	128	124	137*	133*	128
OSPL90, 1600 Hz (dB SPL)	127	114	109	135*	124	119
OSPL90, HFA (dB SPL)	123	119	113	–	–	–
Full-on Gain, Peak (dB)	71	69	65	77	73	69
Full-on Gain, 1600 Hz (dB)	65	52	47	73	62	57
Full-on Gain, HFA (dB)	59	55	49	–	–	–
Reference Test Gain (dB)	47	44	38	60	49	44
Quiescent Current (mA)	1.1	1.1	1.1	1.1	1.1	1.1
Operating Current (mA)	1.6	1.6	1.6	1.2	1.2	1.2
Distortion 500/800/1600 Hz (%)	<5/<4/<2	<4/<2/<2	<2/<2/<2	<6/<5/<2	<4/<2/<2	<2/<2/<2
Frequency Range (Hz)	100 – 5600	100 – 5200	100 – 5500	–	–	–
Equivalent Input Noise[1], dB(A)	21	19	22	14	19	20
Telecoil 1 mA /m 1600 Hz, IEC (dB SPL)	93	80	74	102	89	84
Telecoil HFA SPLITS (dB SPL)	100	95	90	–	–	–
Program Selector	●	●	●	●	●	●
Local Volume Control	●	●	●	●	●	●
Telecoil	●	●	●	●	●	●
Auto Telephone Detection	●	●	●	●	●	●
Battery Size	13	13	13	13	13	13
Microphone System	dual omni	dual omni	dual omni	dual omni	dual omni	dual omni
FM Adapter	○	○	○	○	○	○
DAI Adapter	○	○	○	○	○	○
Earhook	●	–	–	●	–	–
Thin Tube 0.9/1.3	–	○	○	–	○	○

● standard ○ optional

[1] Technical data measured with expansion, corresponding to the test box measurement settings.

"2cc" refers to a coupler according to IEC 60318-5:2006. "Ear simulator" refers to a coupler according to IEC 60318-4:2010.
Applied versions: IEC 60118-0 /A1:1994, IEC 60118-1 /A1:1998, IEC 60118-7: 2005, ANSI S3.22: 2014.

*** Warning to the instrument dispenser**
The maximum output capability of the hearing instrument may exceed 132 dB SPL (IEC 60318-4). Special care should be exercised in selecting and fitting the instrument, as there may be risk of impairing the remaining hearing of the hearing instrument user.

NEVARA 1 BTE PRODUCT OVERVIEW

NE 1 P
Earhook

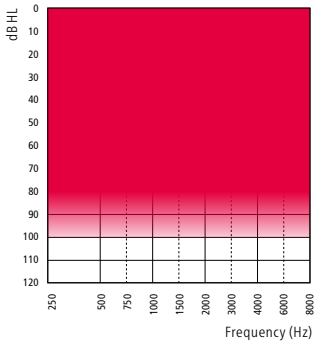
NE 1 P
Thin Tube 1.3

NE 1 P
Thin Tube 0.9

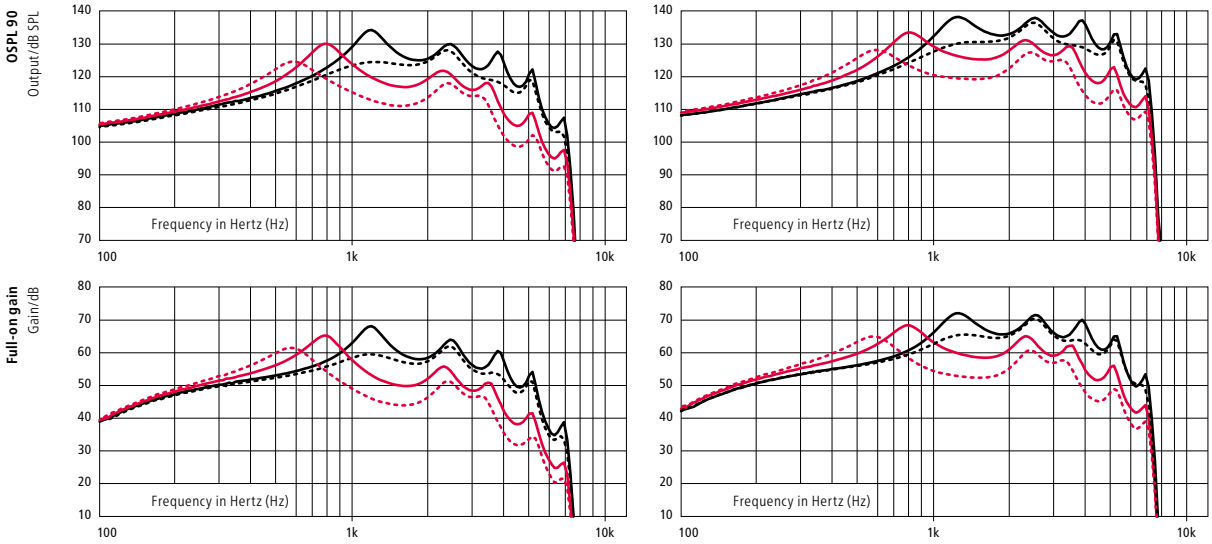
— Earhook without filter
--- Earhook with filter
— Thin Tube 1.3 mm
--- Thin Tube 0.9 mm

Contains FCC ID: U6XF2BTEPP
Contains IC: 7031A-F2BTEPP

Fitting Range – P



2cc Coupler | **Ear Simulator**



	2cc Coupler			Ear Simulator		
	EARHOOK	THIN TUBE 1.3	THIN TUBE 0.9	EARHOOK	THIN TUBE 1.3	THIN TUBE 0.9
OSPL90, Peak (dB SPL)	134*	130	125	138*	133*	128
OSPL90, 1600 Hz (dB SPL)	126	117	111	134*	125	119
OSPL90, HFA (dB SPL)	128	120	114	–	–	–
Full-on Gain, Peak (dB)	68	65	61	72	68	65
Full-on Gain, 1600 Hz (dB)	59	50	44	67	58	52
Full-on Gain, HFA (dB)	62	54	48	–	–	–
Reference Test Gain (dB)	51	42	37	58	50	43
Quiescent Current (mA)	1.3	1.3	1.3	1.3	1.3	1.3
Operating Current (mA)	1.7	1.8	1.8	1.5	1.5	1.5
Distortion 500/800/1600 Hz (%)	<2/<2/<2	<2/<2/<2	<2/<2/<2	<5/<3/<2	<2/<2/<2	<2/<2/<2
Frequency Range (Hz)	100 – 5600	100 – 5600	100 – 5800	–	–	–
Equivalent Input Noise[1], dB(A)	15	18	20	18	20	22
Telecoil 1 mA /m 1600 Hz, IEC (dB SPL)	89	79	73	96	87	80
Telecoil HFA SPLITS (dB SPL)	108	100	94	–	–	–
Program Selector	●	●	●	●	●	●
Local Volume Control	●	●	●	●	●	●
Telecoil	●	●	●	●	●	●
Auto Telephone Detection	●	●	●	●	●	●
Battery Size	13	13	13	13	13	13
Microphone System	dir	dir	dir	dir	dir	dir
FM Adapter	○	○	○	○	○	○
DAI Adapter	○	○	○	○	○	○
Earhook	●	–	–	●	–	–
Thin Tube 0.9/1.3	–	○	○	–	○	○

● standard ○ optional

[1] Technical data measured with expansion, corresponding to the test box measurement settings.

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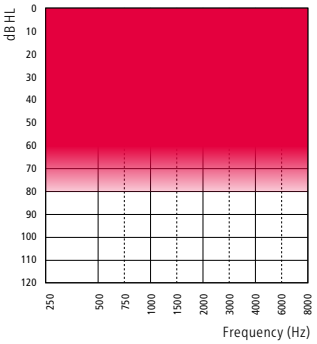
NEVARA 1 BTE PRODUCT OVERVIEW

NE 1 N Earhook | **NE 1 N Thin Tube 1.3** | **NE 1 N Thin Tube 0.9**

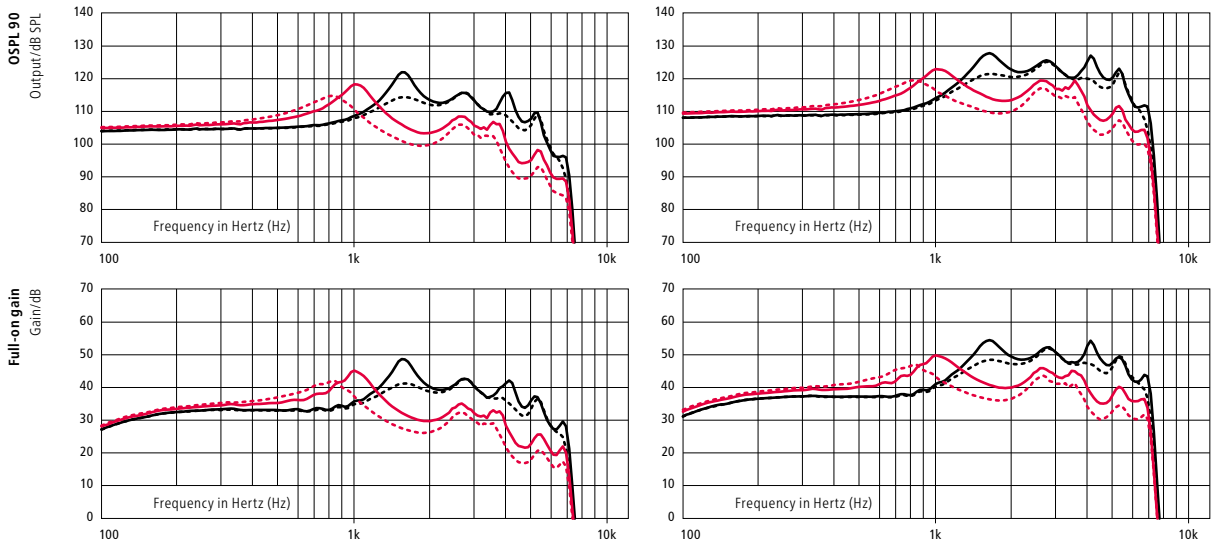
- Earhook without filter
- Earhook with filter
- Thin Tube 1.3 mm
- Thin Tube 0.9 mm

FCC ID: U6XF2BTE01
IC: 7031A-F2BTE01

Fitting Range – N



2cc Coupler | **Ear Simulator**



	2cc Coupler			Ear Simulator		
	EARHOOK	THIN TUBE 1.3	THIN TUBE 0.9	EARHOOK	THIN TUBE 1.3	THIN TUBE 0.9
OSPL90, Peak (dB SPL)	122	118	115	128	123	119
OSPL90, 1600 Hz (dB SPL)	122	105	101	127	114	110
OSPL90, HFA (dB SPL)	115	110	105	–	–	–
Full-on Gain, Peak (dB)	49	46	42	55	50	47
Full-on Gain, 1600 Hz (dB)	48	32	27	54	41	36
Full-on Gain, HFA (dB)	42	37	32	–	–	–
Reference Test Gain (dB)	36	31	26	47	34	30
Quiescent Current (mA)	1.1	1.1	1.1	1.1	1.1	1.1
Operating Current (mA)	1.1	1.1	1.1	1.1	1.1	1.1
Distortion 500/800/1600 Hz (%)	<2/<2/<2	<2/<2/<2	<2/<2/<2	<3/<2/<2	<2/<2/<2	<2/<2/<2
Frequency Range (Hz)	100 – 7100	100 – 7100	100 – 7100	–	–	–
Equivalent Input Noise[1], dB(A)	15	14	15	12	18	20
Program Selector	●**	●**	●**	●**	●**	●**
Local Volume Control	**	**	**	**	**	**
Telecoil	–	–	–	–	–	–
Auto Telephone Detection	–	–	–	–	–	–
Battery Size	312	312	312	312	312	312
Microphone System	dir	dir	dir	dir	dir	dir
FM Adapter	–	–	–	–	–	–
DAI Adapter	–	–	–	–	–	–
Earhook	○	–	–	○	–	–
Thin Tube 0.9/1.3	–	●	●	–	●	●

● standard ○ optional

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Applied versions: IEC 60118-0 /A1:1994, IEC 60118-1 /A1:1998, IEC 60118-7: 2005, ANSI S3.22: 2014.

** Push button can be programmed for volume control use

NEVARA 1 BTE PRODUCT OVERVIEW

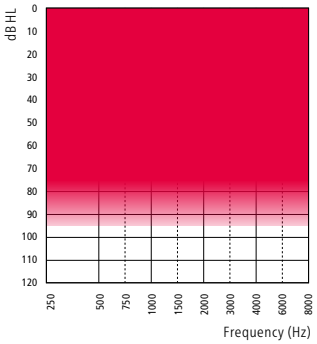
NE 1 NR P-Speaker

NE 1 NR M-Speaker

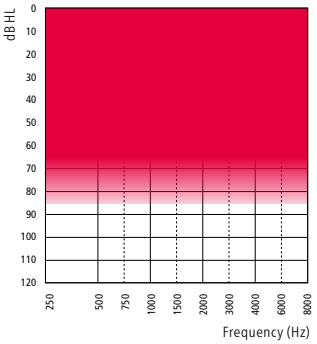
— P-Speaker
--- M-Speaker

FCC ID: U6XF2RITE2
IC: 7031A-F2RITE2

Fitting Range – P-Speaker

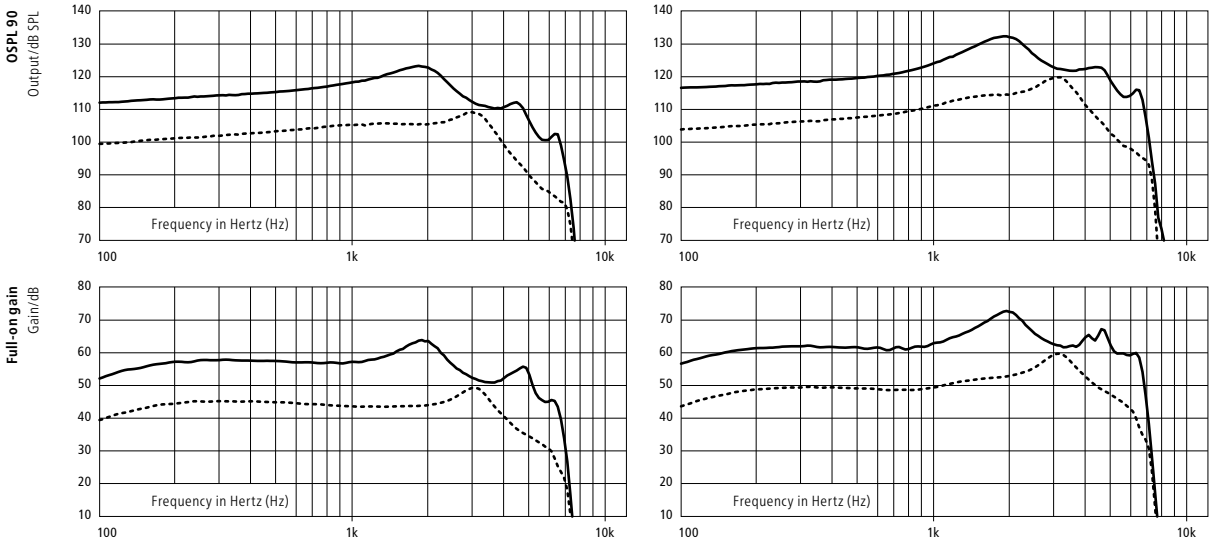


Fitting Range – M-Speaker



2cc Coupler

Ear Simulator



	2cc Coupler		Ear Simulator	
	P-SPEAKER	**M-SPEAKER**	**P-SPEAKER**	**M-SPEAKER**
OSPL90, Peak (dB SPL)	123	109	132*	120
OSPL90, 1600 Hz (dB SPL)	122	105	131	114
OSPL90, HFA (dB SPL)	119	106	–	–
Full-on Gain, Peak (dB)	64	49	73	60
Full-on Gain, 1600 Hz (dB)	61	44	69	52
Full-on Gain, HFA (dB)	58	44	–	–
Reference Test Gain (dB)	43	29	54	37
Quiescent Current (mA)	1.1	1.1	1.1	1.1
Operating Current (mA)	1.4	1.1	1.2	1.1
Distortion 500/800/1600 Hz (%)	<2/<2/<2	<2/<2/<2	<2/<2/<2	<3/<3/<2
Frequency Range (Hz)	100 – 6900	100 – 6700	–	–
Equivalent Input Noise[1], dB(A)	16	17	14	19
Telecoil 1 mA /m 1600 Hz, IEC (dB SPL)	88	70	95	79
Telecoil HFA SPLITS (dB SPL)	89	74	–	–
Program Selector	●**	●**	●**	●**
Local Volume Control	**	**	**	**
Telecoil	●	●	●	●
Auto Telephone Detection	●	●	●	●
Battery Size	312	312	312	312
Microphone System	dir	dir	dir	dir
FM Adapter	–	–	–	–
DAI Adapter	–	–	–	–

● standard ○ optional

[1] Technical data measured with expansion, corresponding to the test box measurement settings.

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** Push button can be programmed for volume control use

NEVARA 1 ITE PRODUCT OVERVIEW

NE 1 ITED

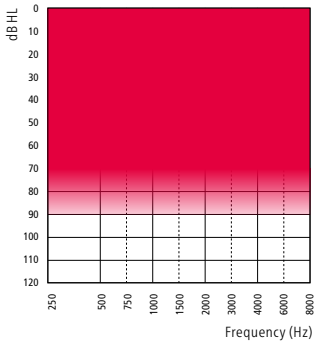
NE 1 ITCD

NE 1 ITC

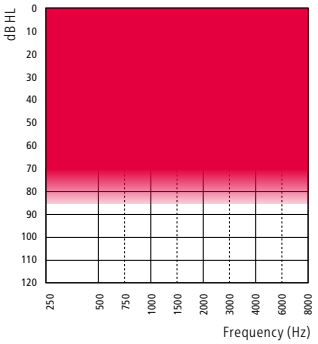
— ITED
--- ITCD
— ITC

NE1 ITED / NE1 ITCD:
FCC ID: U6XF2ITE01
IC: 7031A-F2ITE01

Fitting Range – ITED



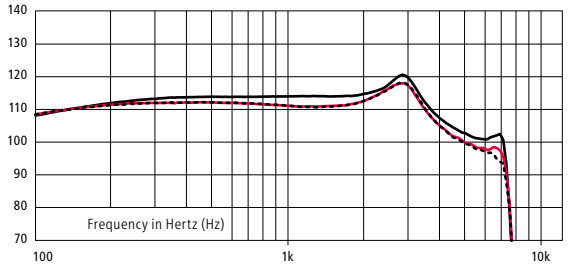
Fitting Range – ITCD, ITC

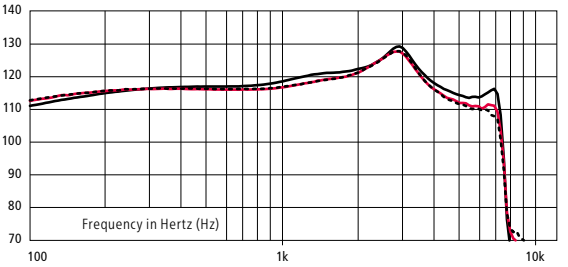


2cc Coupler

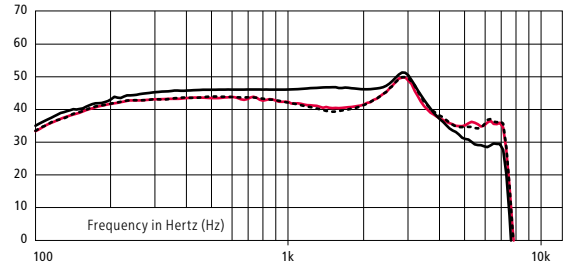
Ear Simulator

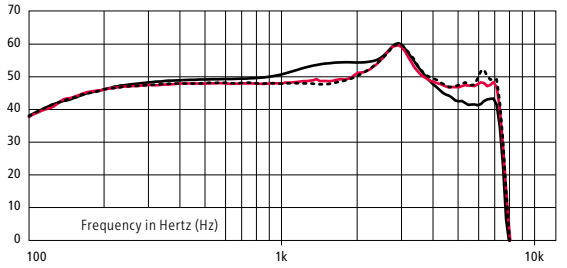
OSPL 90
Output/dB SPL





Full-on gain
Gain/dB





	2cc Coupler			Ear Simulator		
	ITED	ITCD	ITC	ITED	ITCD	ITC
OSPL90, Peak (dB SPL)	121	118	118	129	128	128
OSPL90, 1600 Hz (dB SPL)	114	111	111	121	119	119
OSPL90, HFA (dB SPL)	115	113	113	–	–	–
Full-on Gain, Peak (dB)	51	50	50	60	60	60
Full-on Gain, 1600 Hz (dB)	46	39	40	54	48	49
Full-on Gain, HFA (dB)	47	43	43	–	–	–
Reference Test Gain (dB)	38	35	35	47	41	42
Quiescent Current (mA)	1.2	1.1	0.8	1.2	1.1	0.8
Operating Current (mA)	1.3	1.2	0.9	1.2	1.1	0.8
Distortion 500/800/1600 Hz (%)	<2/<2/<2	<2/<2/<2	<2/<2/<2	<2/<2/<2	<2/<2/<2	<2/<2/<2
Frequency Range (Hz)	100 – 7300	100 – 7500	100 – 7500	–	–	–
Equivalent Input Noise[1], dB(A)	17	20	21	18	23	25
Telecoil 1 mA /m 1600 Hz, IEC (dB SPL)	78	71	72	85	80	80
Telecoil HFA SPLITS (dB SPL)	95	91	91	–	–	–
Program Selector	○**	○**	○	○**	○**	○
Local Volume Control	**	**	○	**	**	○
Telecoil	○	○	○	○	○	○
Auto Telephone Detection	○	○	○	○	○	○
Battery Size	13	312	312	13	312	312
Microphone System	dir	dir	omni	dir	dir	omni

● standard ○ optional

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Applied versions: IEC 60118-0 /A1:1994, IEC 60118-1 /A1:1998, IEC 60118-7: 2005, ANSI S3.22: 2014.

** Push button can be programmed for volume control use

NEVARA 1 ITE PRODUCT OVERVIEW

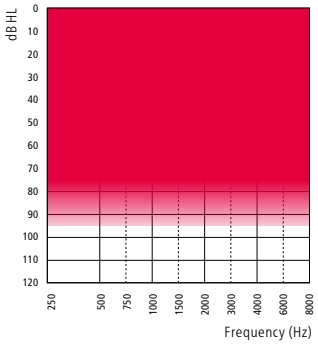
NE 1 CICP

NE 1 CICx

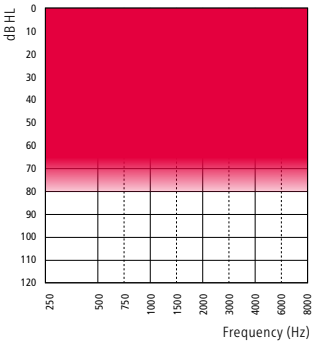
— CICP
--- CICx

FCC ID: U6XF2CIC01
IC: 7031A-F2CIC01

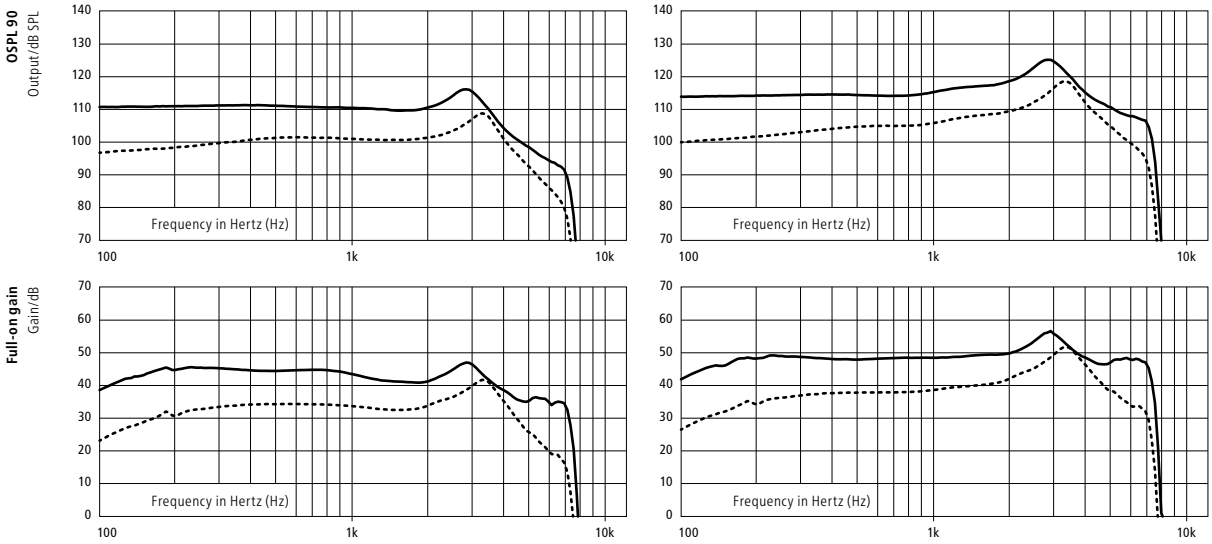
Fitting Range – CICP



Fitting Range – CICx



2cc Coupler | **Ear Simulator**



	2cc Coupler		Ear Simulator	
	CICP	**CICx**	**CICP**	**CICx**
OSPL90, Peak (dB SPL)	116	109	125	119
OSPL90, 1600 Hz (dB SPL)	110	101	117	108
OSPL90, HFA (dB SPL)	111	102	–	–
Full-on Gain, Peak (dB)	47	42	57	52
Full-on Gain, 1600 Hz (dB)	41	32	49	40
Full-on Gain, HFA (dB)	43	34	–	–
Reference Test Gain (dB)	33	24	42	34
Quiescent Current (mA)	1.1	1.1	1.1	1.1
Operating Current (mA)	1.2	1.2	1.1	1.1
Distortion 500/800/1600 Hz (%)	<2/<2/<2	<2/<2/<2	<2/<2/<2	<3/<3/<2
Frequency Range (Hz)	100 – 7500	100 – 7100	–	–
Equivalent Input Noise[1], dB(A)	19	21	21	23
Program Selector	○**	○**	○**	○**
Local Volume Control	**	**	**	**
Telecoil	–	–	–	–
Auto Telephone Detection	–	–	–	–
Battery Size	10	10	10	10
Microphone System	omni	omni	omni	omni

● standard ○ optional

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** Push button can be programmed for volume control use

ACOUSTIC OPTIONS

Compact Power Plus BTE

Nano BTE

Power BTE

Nano RITE

Spira Flex
Thin tube 0.9 mm

Spira Flex
Thin tube 1.3 mm

miniFit
Thin tube 0.9 mm

miniFit
Thin tube 1.3 mm

Instant

Open Dome

Dome,
Large Vent

Tulip Dome

Power Dome

Dome, Small Vent

Custom

Canal Mold

Custom Tip

Instant

Open Dome

Bass Dome
Double Vent

Power Dome

Bass Dome
Single Vent

Custom

Lite Tip

Micro Mold

Custom

Instant

Open Dome

Tulip Dome

Power Dome

Micro Mold

Lite Tip

Instant

Tulip Dome

Power Dome

Custom

Power Mold

MODEL OVERVIEW

	CPx	P	N	NR	ITED	ITCD	ITC	CICP	CICx
Battery Size	13	13	312	312	13	312	312	10	10
Microphone System	dual omni	dir	dir	dir	dir	dir	omni	omni	omni
Program Button	●	●	●	●	○	○	○	○	○
Volume Control	●	●	**	**	**	**	○	**	**
Telecoil	●	●	–	●	○	○	○	–	–
Auto Telephone Detection	●	●	–	●	○	○	○	–	–
IP Rating***	IP58	IP58	IP57	IP57	–	–	–	–	–
Earhook	●	●	○	–	–	–	–	–	–
Thin Tube	○	○	●	–	–	–	–	–	–
Receiver Sizes	–	–	–	M, P	–	–	–	–	–
RC-N Remote Control	○	○	○	○	○	○	–	○	○
FittingLINK	○	○	○	○	○	○	–	○	○
DAI / FM Adapter	○	○	–	–	–	–	–	–	–

** Push button can be programmed for volume control use

● standard ○ optional

*** IP5X indicates dust protection.
IPX8 indicates the protection against the effects of continuous immersion in water.
IPX7 indicates the protection against the effects of temporary immersion in water.

HEARING INSTRUMENT COLORS

Two base shell colors are available with the P BTE model. While the metallic anthracite base shell can be combined with four different top shell colors, the metallic silver base shell is compatible with one color.

BASE SHELL MAC (METALLIC ANTHRACITE)

sand beige | metallic silver | antique bronze | metallic anthracite

BASE SHELL MSIL (METALLIC SILVER)

sand beige

All other BTEs are available with five different top shell colors, all in combination with the graphite base shell.

BASE SHELL GP (GRAPHITE)

beige | dark brown | gray brown | gray | metallic anthracite

All custom hearing instruments are available in four colors.

beige | light brown | medium brown | dark brown

FEATURE OVERVIEW

	NEVARA 1
SIGNAL PROCESSING	
ChannelFree™	●
Speech Cue Priority™	●
Frequency Bandwidth	8 kHz
LISTENING COMFORT	
Adaptive Noise Reduction Plus (ANR Plus)	2 ctr
Adaptive Feedback Canceller Plus (AFC Plus)	●
Soft Noise Management	2 ctr
BINAURAL SYNCHRONIZATION	
VC, Program Change	●
DIRECTIONALITY CONTROLS	
Fixed Omni	●
Fixed Directional	●
Automatic Directional	●
CONVENIENCE FEATURES	
VC Clicks	●
Mute Via Push Button	●
Configurable Start-Up Delay	●
INDIVIDUALIZATION	
Program Options/Memories	7/4
Data Logging	●
Language Specific Targets	●
REMfit™	●
Client Interactive	●

PROGRAMMING EQUIPMENT

Nevara 1 are programmed with Bernafon Oasis, version 22.0 or higher, a NOAH compatible MS-Windows® based PC-fitting software. HI-PRO, HI-PRO 2, NOAHlink, EXPRESSlink^3, FittingLINK or nEARcom programming interface is required. FittingLINK can only be used with wireless styles. A stand-alone installation of Oasis is also possible.

Operating System

Microsoft® Windows® 8.1, 32/64 bit, all editions
Microsoft® Windows® 8, 32/64 bit, all editions
Microsoft® Windows® 7, 32/64 bit, all editions
Microsoft® Windows Vista®, 32/64 bit, all editions
Microsoft® Windows® XP SP3

Noah

Noah 4 (all versions)
Noah 4.3 (minimum for Windows® 8)
All versions of Noah 3 (not recommended)
Note: If you are using OAS software please use only versions with Noah Engine updated to the miminum standard above.

ACCESSORIES	DESCRIPTION	PART NUMBER
Prog. cable, Nr. 2 New standard (HI-PRO)	Blue, left	384-20-033-00
Prog. cable, Nr. 2 New standard (HI-PRO)	Red, right	384-20-032-00
Prog. cable, Nr. 2 New standard (NOAHlink)	Blue, left	384-20-035-00
Prog. cable, Nr. 2 New standard (NOAHlink)	Red, right	384-20-034-00
Programming Adapter	For CPx	399-50- 640-00
FlexConnect Mini	For custom instruments	117468

ACCESSORIES

PRODUCT	DESCRIPTION	PART NUMBER	
RC-N Remote Control	Discreet device for volume and program adjustment	139772	
FittingLINK	Wireless programming device for direct PC to hearing aid programming	144720	
DAI Adapter (DAI 4)	For CPx BTE	147602	
DAI Adapter (AP1000)	For P BTE	142207	
FM Adapter (FM9)	For CPx BTE	147435	
FM Adapter (FM10)	For P BTE	142328	
M-Speaker Kit	For Nano RITE	119979	
P-Speaker Kit	For Nano RITE	119978	
Spira Flex Fitting Kit	Containing all Spira Flex parts. Upgraded with Power Dome and vented domes.	890-80-060-00	
Upgrade Kit for Spira Flex	Containing domes and parts to upgrade the Spira Flex Fitting Kit	122220	
miniFit Thin Tube Kit	Containing all miniFit parts and tools	163095	

CE 0543 0682 E2105

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Kitchener, ON, N2R 1A7
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SWISS Engineering

www.bernafon.com

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Your hearing · Our passion

10.15/BAG/1604443/US/Subject to change