PRODUCT INFORMATION ACRIVA 7



DESCRIPTION

Bernafon Acriva 7 is a complete family of hearing instruments, suitable for users with mild to severe hearing losses. The full range includes newly designed custom instruments, such as the CIC and CICP featuring a push button. Audio Efficiency™ 2.0 technology features two innovations, the new Frequency Composition™ and the new Adaptive Noise Reduction Plus. All Acriva styles that offer binaural coordination between instruments, feature wireless connectivity to external audio sources.

AUDIO EFFICIENCY™ 2.0 IN ACRIVA 7

Speech

- $\cdot \ \mathsf{ChannelFree}^{\mathsf{TM}}$
- · Adaptive Directionality
- Frequency Composition™

Comfort

- · Adaptive Feedback Canceller Plus
- · Adaptive Noise Reduction Plus
- · Transient Noise Reduction
- · Binaural Coordination

Individualization

- Wireless Connectivity
- · Language Specific Targets
- REMfit™

ADDITIONAL FEATURES

Technical Features

- · Digital signal processing up to 10 kHz
- · Multi-Environment Program
- · Environment Optimizer
- · Hydrophobic coating for all BTEs
- · Dust and water protection for all BTEs (IP57)

Personalization Features

- Data Logging
- VC Learning
- Up to 11 listening program options
- · 4 freely-assignable program slots
- · DAI / FM adapter



AR7 CPx AR7 CP B 20 g 20 40 -40 60 60 80 80 100 100 500 1.000 2.000 4.000 8.000 500 1.000 2.000 4.000 8.000 Frequency (Hz) Frequency (Hz)

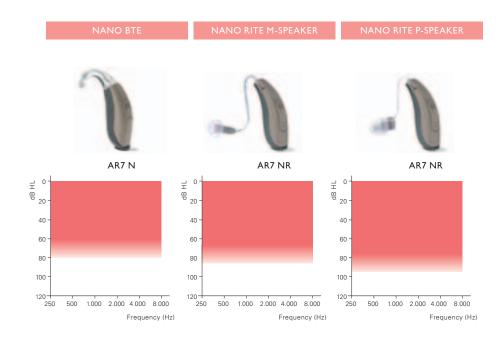
standard

O optional

		2CC C	OUPLER	EAR SIM	ULATOR
		CPx	СР	CPx	СР
OSPL 90, Peak	dB SPL	132*	127	138*	134*
OSPL 90, 1600 Hz	dB SPL	128	122	136*	131
HFA-OSPL 90	dB SPL	123	119	-	-
Full-On Gain, Peak	dB	71	61	76	67
Full-On Gain, 1600 Hz	dB	65	56	74	64
HFA Full-On Gain	dB	59	53	-	-
Reference Test Gain	dB	48	41	66	56
Program Selector		•	•	•	•
Local Volume Control		•	•	•	•
Telecoil		•	•	•	•
Auto Telephone Detection		•	•	•	•
FM Adapter		0	0	0	0
DAI Adapter		0	0	0	0
Battery Size		13	13	13	13
Earhook		•	•	•	•
Spira Flex Thin Tube 0.9 / 1.3		•	•	•	•
Microphone System		dual omni	dir	dual omni	dir
Remote Control (RC-P)		0	0	0	0
SoundGate 2 (Bluetooth®)		0	0	0	0
TV Adapter		0	0	0	0
Phone Adapter 2		0	0	0	0

[&]quot;2cc" refers to a coupler according to IEC 60318-5. "Ear simulator" refers to a coupler according to IEC 60318-4. Applied versions: IEC 60118-7:2005, IEC 60118-0:1994 and ANSI S3.22:2009.

^{*} Special care should be taken when fitting and using a hearing instrument with maximum sound pressure capability in excess of 132 dB SPL (IEC 60318-4) since there may be a risk of impairing the remaining hearing of the hearing instrument user.



		2CC COUPLER				EAR SIMULATOR	l .
		N	٨	R	N	N	IR.
			M-SPEAKER	P-SPEAKER		M-SPEAKER	P-SPEAKER
OSPL 90, Peak	dB SPL	122	109	124	128	121	133*
OSPL 90, 1600 Hz	dB SPL	122	106	122	127	115	131
HFA-OSPL 90	dB SPL	115	106	119	-	-	-
Full-On Gain, Peak	dB	49	50	64	54	61	74
Full-On Gain, 1600 Hz	dB	49	43	61	54	52	71
HFA Full-On Gain	dB	42	45	58	-	-	-
Reference Test Gain	dB	35	29	43	47	37	55
Program Selector		•**	●* *		•**	•	* *
Local Volume Control		**	**		* *	*	*
Telecoil		-			-	•	
Auto Telephone Detection		-	•		-		
FM Adapter		-		-	-	-	-
DAI Adapter		-		-	-	-	-
Battery Size		312	3	12	312	3.	12
Earhook		•	n.	a.	•	n.	a.
Spira Flex Thin Tube 0.9 / 1.3		•	n.	a.	•	n.	a.
Microphone System		dir	d	ir	dir	d	ir
Remote Control (RC-P)		0	(0	(
SoundGate 2 (Bluetooth®)		0	(0	(
TV Adapter		0	(0	0	
Phone Adapter 2		0	(0	(

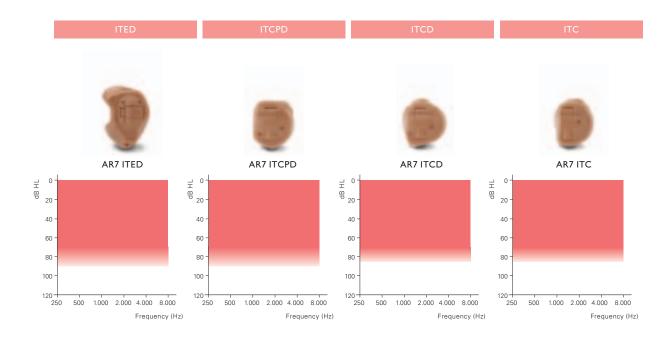
[&]quot;2cc" refers to a coupler according to IEC 60318-5. "Ear simulator" refers to a coupler according to IEC 60318-4. Applied versions: IEC 60118-7:2005, IEC 60118-0:1994 and ANSI S3.22:2009.

O optional

standard

^{*} Special care should be taken when fitting and using a hearing instrument with maximum sound pressure capability in excess of 132 dB SPL (IEC 60318-4) since there may be a risk of impairing the remaining hearing of the hearing instrument user.

^{**} Push button can be programmed for volume control use

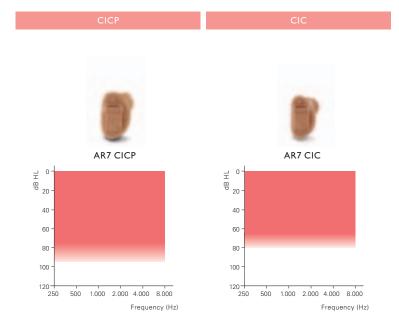


			2CC COUPLER				EAR SIM	ULATOR	
		ITED	ITCPD	ITCD	ITC	ITED	ITCPD	ITCD	ITC
OSPL 90, Peak	dB SPL	120	119	117	117	130	129	128	128
OSPL 90, 1600 Hz	dB SPL	113	112	111	111	122	121	119	120
HFA-OSPL 90	dB SPL	114	113	112	113	-	-	-	-
Full-On Gain, Peak	dB	51	52	50	50	60	61	59	59
Full-On Gain, 1600 Hz	dB	44	45	40	40	53	54	48	49
HFA Full-On Gain	dB	45	46	43	43	-	-	-	-
Reference Test Gain	dB	32	33	35	35	42	43	41	42
Program Selector		O**	O**	O* *	0	O**	O* *	0**	0
Local Volume Control		**	* *	* *	0	**	* *	* *	0
Telecoil		0	0	0	0	0	0	0	0
Auto Telephone Detection		0	0	0	0	0	0	0	0
Battery Size		13	312	312	312	13	312	312	312
Microphone System		dir	dir	dir	omni	dir	dir	dir	omni
Remote Control (RC-P)		0	0	0	-	0	0	0	-
SoundGate 2 (Bluetooth®)		0	0	0	-	0	0	0	-
TV Adapter		0	0	0	-	0	0	0	-
Phone Adapter 2		0	0	0	-	0	0	0	-

[&]quot;2cc" refers to a coupler according to IEC 60318-5. "Ear simulator" refers to a coupler according to IEC 60318-4. Applied versions: IEC 60118-7:2005, IEC 60118-0:1994 and ANSI S3.22:2009.

standard Optional

^{**} Push button can be programmed for volume control use

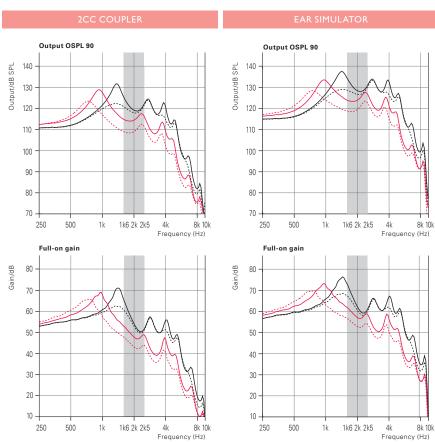


		2CC CC	OUPLER	EAR SIM	ULATOR
		CICP	CIC	CICP	CIC
OSPL 90, Peak	dB SPL	116	109	127	119
OSPL 90, 1600 Hz	dB SPL	108	101	117	109
HFA-OSPL 90	dB SPL	110	102	-	-
Full-On Gain, Peak	dB	48	42	59	51
Full-On Gain, 1600 Hz	dB	42	34	51	42
HFA Full-On Gain	dB	43	35	-	-
Reference Test Gain	dB	33	24	44	34
Program Selector		0	0	0	0
Local Volume Control		-	-	-	-
Telecoil		-	-	-	-
Auto Telephone Detection		-	-	-	-
Battery Size		10	10	10	10
Microphone System		omni	omni	omni	omni

[&]quot;2cc" refers to a coupler according to IEC 60318-5. "Ear simulator" refers to a coupler according to IEC 60318-4. Applied versions: IEC 60118-7:2005, IEC 60118-0:1994 and ANSI S3.22:2009.

● standard ○ optional





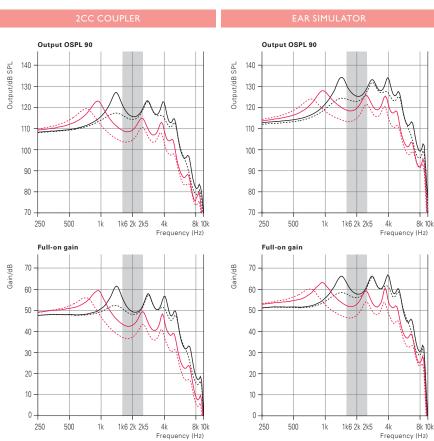
			2CC COUPLER			EAR SIMULATOR	R
		EARHOOK	SPIRA FLEX I.3	SPIRA FLEX 0.9	EARHOOK	SPIRA FLEX I.3	SPIRA FLEX 0.9
OSPL 90, Peak	dB SPL	132*	129	124	138*	134*	129
OSPL 90, 1600 Hz	dB SPL	127	115	110	136*	124	119
HFA-OSPL 90	dB SPL	123	120	113	-	-	-
Full-On Gain, Peak	dB	71	69	66	77	74	70
Full-On Gain, 1600 Hz	dB	65	53	48	74	62	57
HFA Full-On Gain	dB	59	56	49	-	-	-
Reference Test Gain	dB	48	45	38	66	54	49
Quiescent Current	mA	1.1	1.1	1.1	1.1	1.1	1.1
Operating Current	mA	1.5	1.5	1.5	1.2	1.2	1.2
Battery Size			13			13	
Distortion 500/800/1600 Hz	%	<5/<4/<2	<4/<1/<1	<1/<1/<1	<7/<7/<2	<5/<2/<1	<2/<2/<1
Frequency Range	Hz	100-5600	100-5200	100-5300	-	-	-
Equivalent Input Noise 1)	dB(A)	13	18	22	21	19	20
Telecoil 1 mA/m 1600 Hz, IEC	dB SPL	95	82	76	104	91	86
Telecoil HFA SPLITS	dB SPL	100	95	90	-	-	-

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

[&]quot;2cc" refers to a coupler according to IEC 60318-5. "Ear simulator" refers to a coupler according to IEC 60318-4. Applied versions: IEC 60118-7:2005, IEC 60118-0:1994 and ANSI S3.22:2009.

^{*} Special care should be taken when fitting and using a hearing instrument with maximum sound pressure capability in excess of 132 dB SPL (IEC 60318-4) since there may be a risk of impairing the remaining hearing of the hearing instrument user.



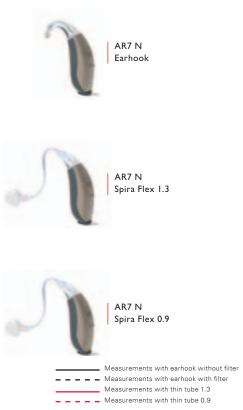


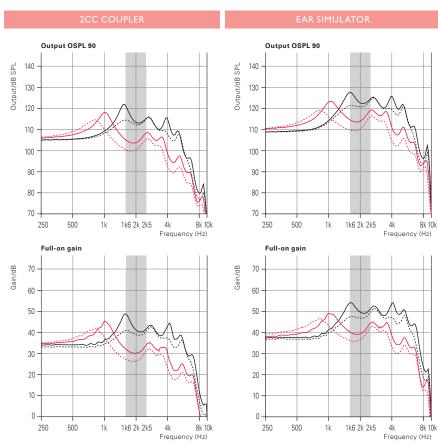
			2CC COUPLER			EAR SIMULATOR	R
		EARHOOK	SPIRA FLEX I.3	SPIRA FLEX 0.9	EARHOOK	SPIRA FLEX I.3	SPIRA FLEX 0.9
OSPL 90, Peak	dB SPL	127	123	119	134*	128	124
OSPL 90, 1600 Hz	dB SPL	122	110	104	131	119	114
HFA-OSPL 90	dB SPL	119	115	109	-	-	-
Full-On Gain, Peak	dB	61	59	56	67	63	60
Full-On Gain, 1600 Hz	dB	56	43	37	64	53	47
HFA Full-On Gain	dB	53	50	43	-	-	-
Reference Test Gain	dB	41	37	31	56	44	39
Quiescent Current	mA	1.1	1.1	1.1	1.1	1.1	1.1
Operating Current	mA	1.2	1.2	1.2	1.2	1.2	1.2
Battery Size			13			13	
Distortion 500/800/1600 Hz	%	<1/<1/<1	<1/<1/<1	<1/<1/<1	<4/<2/<1	<3/<1/<1	<1/<1/<1
Frequency Range	Hz	100-6000	100-5400	100-5800	-	-	-
Equivalent Input Noise 1)	dB(A)	20	17	21	18	23	24
Telecoil 1 mA/m 1600 Hz, IEC	dB SPL	83	70	65	91	80	75
Telecoil HFA SPLITS	dB SPL	93	92	87	-	-	-

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

[&]quot;2cc" refers to a coupler according to IEC 60318-5. "Ear simulator" refers to a coupler according to IEC 60318-4. Applied versions: IEC 60118-7:2005, IEC 60118-0:1994 and ANSI S3.22:2009.

^{*} Special care should be taken when fitting and using a hearing instrument with maximum sound pressure capability in excess of 132 dB SPL (IEC 60318-4) since there may be a risk of impairing the remaining hearing of the hearing instrument user.

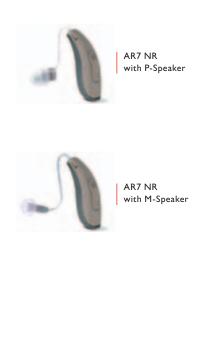




			2CC COUPLER			EAR SIMULATOR	₹
		EARHOOK	SPIRA FLEX I.3	SPIRA FLEX 0.9	EARHOOK	SPIRA FLEX I.3	SPIRA FLEX 0.9
OSPL 90, Peak	dB SPL	122	118	114	128	123	119
OSPL 90, 1600 Hz	dB SPL	122	105	100	127	114	110
HFA-OSPL 90	dB SPL	115	110	105	-	-	-
Full-On Gain, Peak	dB	48	45	41	54	50	46
Full-On Gain, 1600 Hz	dB	48	31	26	54	41	36
HFA Full-On Gain	dB	42	36	31	-	-	-
Reference Test Gain	dB	35	31	26	47	34	29
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
Battery Size			312			312	
Distortion 500/800/1600 Hz	%	<2/<1/<1	<1/<1/<1	<1/<1/<1	<3/<2/<1	<1/<1/<1	<1/<1/<1
Frequency Range	Hz	100-7500	100-7300	100-7300	-	-	-
Equivalent Input Noise 1)	dB(A)	16	14	16	12	18	20

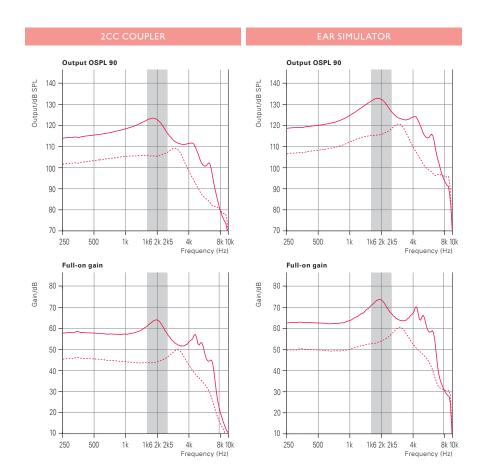
 $^{^{\}scriptsize 1)}$ Technical data measured with expansion, corresponding to the test box measurement settings.

[&]quot;2cc" refers to a coupler according to IEC 60318-5. "Ear simulator" refers to a coupler according to IEC 60318-4. Applied versions: IEC 60118-7:2005, IEC 60118-0:1994 and ANSI S3.22:2009.



Measurements with P-Speaker

_ _ _ _ Measurements with M-Speaker



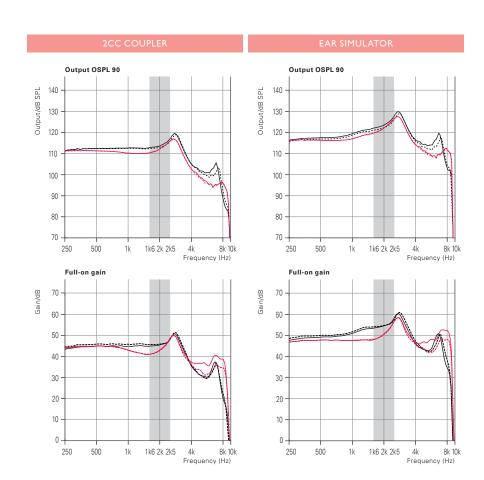
		2CC CC	OUPLER	EAR SIMULATOR		
		M-SPEAKER	P-SPEAKER	M-SPEAKER	P-SPEAKER	
OSPL 90, Peak	dB SPL	109	124	121	133*	
OSPL 90, 1600 Hz	dB SPL	106	122	115	131	
HFA-OSPL 90	dB SPL	106	119	-	-	
Full-On Gain, Peak	dB	50	65	61	75	
Full-On Gain, 1600 Hz	dB	43	61	53	70	
HFA Full-On Gain	dB	45	59	-	-	
Reference Test Gain	dB	29	43	37	55	
Quiescent Current	mA	1.1	1.1	1.1	1.1	
Operating Current	mA	1.1	1.4	1.1	1.2	
Battery Size		3	12	3	12	
Distortion 500/800/1600 Hz	%	<2/<2/<2	<2/<2/<3	<3/<3/<2	<2/<3/<2	
Frequency Range	Hz	100-6700	100-6900	-	-	
Equivalent Input Noise 1)	dB(A)	18	17	20	14	
Telecoil 1 mA/m 1600 Hz, IEC	dB SPL	70	88	80	97	
Telecoil HFA SPLITS	dB SPL	74	89	-	-	

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

[&]quot;2cc" refers to a coupler according to IEC 60318-5. "Ear simulator" refers to a coupler according to IEC 60318-4. Applied versions: IEC 60118-7:2005, IEC 60118-0:1994 and ANSI S3.22:2009.

^{*} Special care should be taken when fitting and using a hearing instrument with maximum sound pressure capability in excess of 132 dB SPL (IEC 60318-4) since there may be a risk of impairing the remaining hearing of the hearing instrument user.



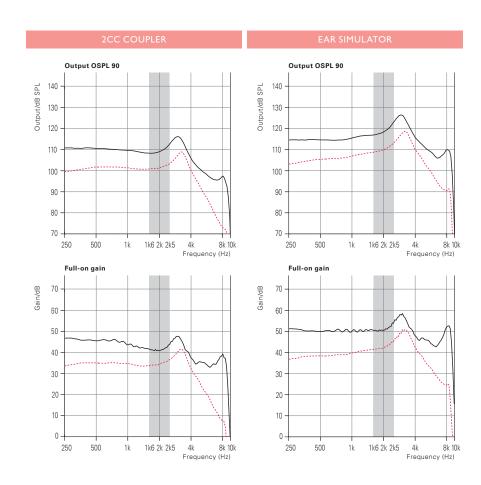


			2CC CC	DUPLER			EAR SIM	ULATOR	
		ITED	ITCPD	ITCD	ITC	ITED	ITCPD	ITCD	ITC
OSPL 90, Peak	dB SPL	120	119	117	117	130	129	128	128
OSPL 90, 1600 Hz	dB SPL	113	112	111	111	122	121	119	120
HFA-OSPL 90	dB SPL	114	113	112	113	-	-	-	-
Full-On Gain, Peak	dB	51	52	50	50	60	61	59	59
Full-On Gain, 1600 Hz	dB	44	45	40	40	53	54	48	49
HFA Full-On Gain	dB	45	46	43	43	-	-	-	-
Reference Test Gain	dB	32	33	35	35	42	43	41	42
Quiescent Current	mA	1.1	1.1	1.1	0.8	1.1	1.1	1.1	0.8
Operating Current	mA	1.1	1.1	1.2	0.9	1.1	1.1	1.1	0.8
Battery Size		13	312	312	312	13	312	312	312
Distortion 500/800/1600 Hz	%	<1/<1/<1	<1/<1/<1	<1/<1/<2	<1/<1/<2	<1/<1/<1	<1/<1/<1	<2/<2/<2	<2/<2/<2
Frequency Range	Hz	100-8200	100-8400	100-9700	100-9700	-	-	-	-
Equivalent Input Noise 1)	dB(A)	19	19	19	20	21	20	23	23
Telecoil 1 mA/m 1600 Hz, IEC	dB SPL	76	75	71	71	85	84	79	80
Telecoil HFA SPLITS	dB SPL	92	92	91	91	-	-	-	-

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

[&]quot;2cc" refers to a coupler according to IEC 60318-5. "Ear simulator" refers to a coupler according to IEC 60318-4. Applied versions: IEC 60118-7:2005, IEC 60118-0:1994 and ANSI S3.22:2003.





		2CC CC	DUPLER	EAR SIM	ULATOR
		CICP	CIC	CICP	CIC
OSPL 90, Peak	dB SPL	116	109	127	120
OSPL 90, 1600 Hz	dB SPL	108	101	117	109
HFA-OSPL 90	dB SPL	110	102	-	-
Full-On Gain, Peak	dB	48	42	59	52
Full-On Gain, 1600 Hz	dB	42	34	51	42
HFA Full-On Gain	dB	42	35	-	-
Reference Test Gain	dB	33	24	44	34
Quiescent Current	mA	0.8	0.7	0.8	0.7
Operating Current	mA	0.8	0.8	0.8	0.7
Battery Size		10	10	10	10
Distortion 500/800/1600 Hz	%	<1/<1/<1	<1/<1/<1	<2/<2/<2	<2/<2/<2
Frequency Range	Hz	100-9700	100-6700	-	-
Equivalent Input Noise 1)	dB(A)	22	21	23	24

 $^{^{} ext{\tiny{1)}}}$ Technical data measured with expansion, corresponding to the test box measurement settings.

[&]quot;2cc" refers to a coupler according to IEC 60318-5. "Ear simulator" refers to a coupler according to IEC 60318-4. Applied versions: IEC 60118-7:2005, IEC 60118-0:1994 and ANSI S3.22:2009.

FEATURE OVERVIEW	CPx	СР	N	NR	ITED	ITCPD	ITCD	ITC	CICP	CIC
SIGNAL PROCESSING										
ChannelFree™	•	•	•	•	•	•	•	•	•	•
Frequency Composition™	•	•	•	•	•	•	•	•	•	•
Frequency Bandwidth	10 kHz									
LISTENING COMFORT										
Adaptive Noise Reduction Plus	3ctr									
Transient Noise Reduction	•	•	•	•	•	•	•	•	•	•
Adaptive Feedback Canceller Plus	•	•	•	•	•	•	•	•	•	•
Wind Noise Monitor	-	•	•	•	•	•	•	_	-	-
Environment Optimizer	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
Advanced Soft Noise Management	•	•	•	•	•	•	•	•	•	•
BINAURAL COORDINATION										
Volume Control, Program Change	•	•	•	•	•	•	•	-	-	-
Environment Classification	•	•	•	•	•	•	•	-	-	-
Non-Telephone Ear Attenuation	-	-	-	-	-	-	-	-	-	-
DIRECTIONALITY CONTROLS										
Fixed Directional	-	•	•	•	•	•	•	-	-	-
Fixed Omni	•	•	•	•	•	•	•	•	•	•
Adaptive Directionality	-	•	•	•	•	•	•	-	-	-
CONVENIENCE FEATURES										
VC Clicks	•	•	•	•	•	•	•	•	-	-
Mute Via Push Button	•	•	•	•	•	•	•	•	•	•
Configurable Start-Up Delay	•	•	•	•	•	•	•	•	•	•
PERSONALIZATION										
Program Options/Memories	11/4	11/4	9/4	10/4	10/4	10/4	10/4	8/4	7/4	7/4
Data Logging	•	•	•	•	•	•	•	•	•	•
VC Learning	•	•	•	•	•	•	•	•	-	-
Language Specific Targets	•	•	•	•	•	•	•	•	•	•
REMfit™	•	•	•	•	•	•	•	•	•	•
WIRELESS / ACCESSORIES (OPTIONAL)										
Remote Control (RC-P)	0	0	0	0	0	0	0	-	-	-
SoundGate 2 (Bluetooth®)	0	0	0	0	0	0	0	-	-	-
TV Adapter	0	0	0	0	0	0	0	-	-	-
Phone Adapter 2	0	0	0	0	0	0	0	-	-	-
FM/DAI Adapter	0	0	_	_	_	_	_	_	_	_

All BTE colors are available for all four BTE styles.



ВЕ









GB





IV



MPL



MAC





DCR

All custom hearing instruments are available in the four colors shown below.





brown

LB



brown

МВ



DB

beige

ВЕ

Product	Description	Part number
Remote Control (RC-P)	Discreet device for volume and program adjustment	160-02-350-00
SoundGate 2 (Bluetooth®)	Interface for wireless communication, remote control. With telecoil.	131231
Charger Cradle	SoundGate 2 charging accessory	130834
TV Adapter (Bluetooth®)	Enables wireless reception of TV audio signals	150-20-020-00
Phone Adapter 2 (Bluetooth®)	Enables wireless reception of landline phone calls	124396 (EU) 130976 (JP) 130977 (KR) 130978 (NZ) 130979 (US) 130980 (ZA) 130981 (AU) 130982 (BR) 130983 (CN) 131571 (RU)
DAI Adapter	For Acriva CP/CPx BTE	399-50-521-00
FM Adapter	For Acriva CP/CPx BTE	399-50-591-00





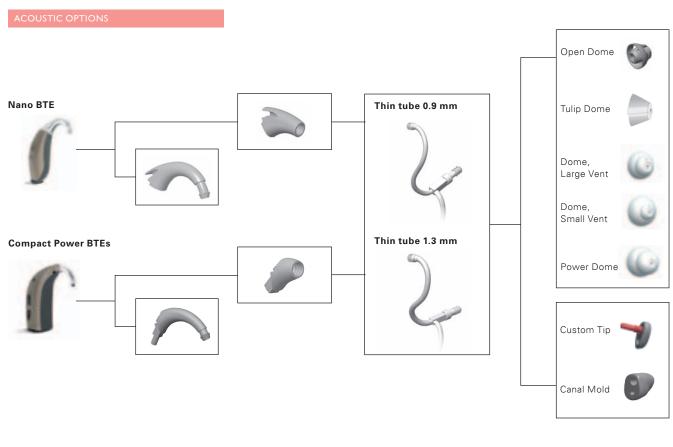


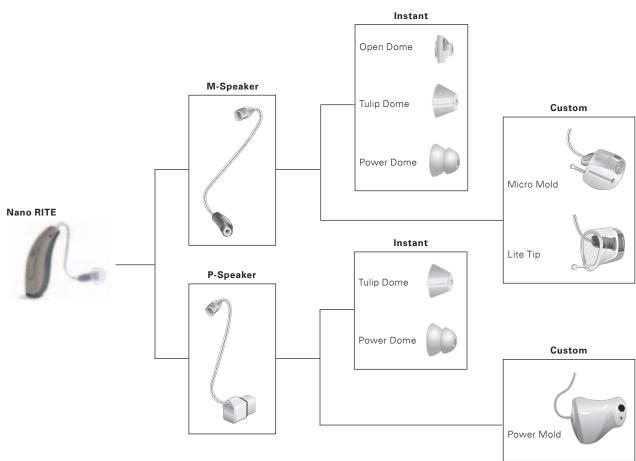












FITTING KITS

Product	Description	Part number	
Spira Flex Fitting Kit	Containing all Spira Flex parts. Upgraded with Power and vented domes	890-80-060-00	
Upgrade Kit for Spira Flex	Containing domes and parts to upgrade the Spira Flex Fitting Kit	122220	E
M-Speaker Kit	For Nano RITE	119979	ET 19
P-Speaker Kit	For Nano RITE	119978	

PROGRAMMING EQUIPMENT

Acriva 7 is programmed with Bernafon Oasis, version 18.0 or higher, a NOAH compatible MS-Windows® based PC-fitting software. NOAH with a HI-PRO, HI-PRO 2, NOAHlink, EXPRESSlink³, or nEARcom programming interface is required.

Operating system

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

Noah

Noah 4.3 (minimum for Windows® 8)

Noah 4

Noah 3.7 (minimum for Windows® 7)

Noah 3.6.1 (minimum for Windows® Vista)

Noah 3.5.2

Product	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/CP	399-50-640-00
FlexConnect Mini	For Acriva custom instruments	117468

Manufacturer

Switzerland

Bernafon AG Morgenstrasse 131 3018 Bern Phone +41 31 998 15 15 Fax +41 31 998 15 90

Australia

Bernafon Australia Pty Ltd. 629 Nudgee Road Nundah QLD 4012 Freecall 1800 809 111 Phone +61 7 3250 0300 Fax +61 7 3250 0372

New Zealand

Bernafon New Zealand Ltd. Level 1, Building F 27-29 William Pickering Drive Albany, Auckland 0632 Toll Free 0800 44 22 57 Phone +64 9 415 7917 Fax +64 9 415 7916

United Kingdom

Bernafon UK Cadzow Industrial Estate Off Low Waters Road Hamilton ML3 7QE Scotland Phone +44 1698 285 968 Fax +44 1698 421 456



